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PERSONAL.

Mr. William T. Hunt, President of the New Jersey State Sewerage Commission, is now in Europe making a study of sewage disposal in European cities.

Prof. C. L. de Mott, of the Lynchburg High School, has been elected City Engineer of Lynchburg, Va., to fill the unexpired term of the late Mr. L. P. Rodes.

Mr. W. E. Garrigues, formerly of Pittsburg, who built the garbage reduction plant for Allegheny, Pa., has opened an office as chemical engineer at 1123 Broadway, New York city.

Mr. Frederick W. Kafer, who has just graduated from the Civil Engineering School of Princeton University, has been appointed instructor in the Civil Engineering Department.

Mr. Alfred E. Kornfeld, New York, advertising representative of the Engineering News Publishing Co., sailed for England, Germany and France, on June 21, to be absent three months.

Mr. Eugene Clapp has been appointed Division Engineer of the New York Rapid Transit Railway, at a salary of $4,000 per year. He will have charge of viaduct construction.

Mr. Spencer Miller, Chief Engineer of the Cableway Department of the Lidgerwood Mfg. Co., sails for Europe on June 23, in the foreign interests of the Miller conveyor for coaling at sea.

Mr. Howard N. Eavenson has resigned his position as division engineer of the Pittsburg Coal Co., to become chief engineer of the Continental Coke Co., with headquarters at Uniontown, Pa.

Mr. H. E. Huntington, Second Vice-President of the Southern Pacific R. R. Co., is said to have been elected First Vice-President at the late meeting of the directors. Mr. Huntington is a nephew of Mr. C. P. Huntington.

Mr. Joseph W. Shirley has been appointed Chief Engineer of the Municipal Topographical Survey Commission, of Baltimore, Md., to succeed Mr. George W. McCreary. Mr. Shirley has been connected with the survey for some time.

Lt.-Col. Francis G. Ward, who will probably be the Engineer for the government railway in the Island of Luzon, was formerly Superintendent of the Water Bureau, of Buffalo, N. Y., and has had extensive experience in railway and canal construction.

Mr. W. B. Mallette, Purchasing Agent of the Chicago Terminal Transfer R. R. for nine years, has accepted the position of Engineer and Assistant to the General Manager of the American Washer & Mfg. Co., with offices at 263 Dearborn St., Chicago, Ill.

Mr. E. M. Bigelow, M. Am. Soc. C. E., Director of the Department of Public Works, of Pittsburg, Pa., has been removed from his position by the Councils of that city. As it is said that politics was responsible for this action, the order of Councils will be contested in the courts.

Mr. V. Kajeonickoff, one of the Chief Engineers of the Trans-Siberian Railway, and Mr. A. Rothstein, Director of the International Commercial Russo-Chinese bank, are in the United States buying steel rails and railway material for the Manchurian section of the Siberian railway.

Mr. G. Elfreth Watkins, Curator of the Department of Mechanical Technology in the National Museum, at Washington, D. C., has had the degree of Doctor of Engineering conferred upon him by the Stevens Institute, of Hoboken, "in recognition of his many and admirable contributions to the history of Engineering, especially in relation to transportation."

The Long Island Board of R. R. Directors, at a late meeting elected the following members as representatives of the Pennsylvania R. R. Co.: First Vice-President, John P. Green; Second Vice-President, Charles E. Pugh; Third Vice-President, S. M. Prevost; and Fourth Vice-President, Samuel Rea. Mr. William H. Baldwin, Jr., is still the President of the Long Island Co.

Mr. Frederick H. Mason, who has for the past two years been the General Western representative for the Frankford Steel & Forging Co. of Philadelphia, and also associated with A. Sorge, Jr. & Co. in the sale of the Cochrane Steam Specialties manufactured by the Harrison Safety Boiler Works, has opened an office at No. 79 Moffat Bldg., Detroit, Michigan, as agent for A. Sorge, Jr., & Co. in the sale of their steam specialties.

Mr. Marshall O. Leighton, of Montclair, N. J., announces that he will act hereafter as consulting expert on engineering and biological matters related to public health and sanitary administration. Mr. Leighton is a graduate of the Massachusetts Institute of Technology (Hygiene), and for the past two years has served as Health Inspector of Montclair, N. J., which position he will continue to fill.

Mr. B. Kusakabe, a prominent Japanese Engineer in the service of the Japanese Department of the Interior, is visiting this country, with two other Japanese Engineers, to make a scientific study of bridges, levees and the protection of land from overflow. The Japanese government has appropriated $3,000,000 to regulate the River Tone, one of the largest and most troublesome rivers in that country. They will especially study the lower Mississippi River.

Mr. Henry E. Nichols, Chief Engineer of the Philadelphia & Reading R. R. since 1885, has resigned on account of age. Mr. Nichols was born in Pottsville, Pa., and was one of the engineers who made the original surveys for the Lebanon Valley R. R., now part of the Reading system. In 1857 he was U. S. Principal Assistant Engineer in building the Fort Kearney & Honey Lake wagon road; and was later on the preliminary surveys for a railway to the Pacific.

OBITUARY.

Mr. William H. Goshorn, for many years a Civil Engineer and Deputy Surveyor of Allen Co., Ind., died in Fort Wayne, Ind., on June 9, aged 65 years. He was former City Engineer of Fort Wayne, and was County Bridge Engineer until his death.

Mr. A. M. Quarrier, Second Vice-President of the Louisville & Nashville R. R. Co., died in New York city on June 11. He removed from Louisville, Ky., to New York, about ten years ago, and was chiefly engaged in handling the financial affairs of his company.

Mr. Joseph Wellens, Mechanical Engineer, died in Pittsburg, Pa., on June 12. He was born in England and came to the United States in 1863 and was in the employ of the government for some time. He was later in the service of the Westinghouse Air-Brake Co. and the Westinghouse Electric Co.

Mr. John Balmore, Civil Engineer, died at Matamoras, Pa., on June 13, aged 68 years. Mr. Balmore came from Belfast, Ireland, about 1841, and was later engaged in New York and elsewhere in designing and building gas and power plants. He was the Engineer for the Havana gas works, built 30 years ago.

Mr. Thomas Willis Fleming, Superintendent of Erection for the Fort Pitt Bridge Works of Pittsburg, Pa., died at Washington, Pa., on June 17, of typhoid fever. Mr. Fleming had previously been with the firm of R. W. Hildreth & Co., at Philadelphia, and was at one time general inspector for the Berlin Iron Bridge Co., East Berlin, Conn.

Mr. John C. Haskell, former Superintendent of the water-works of Lynn, Mass., committed suicide, by shooting, on June 12, aged 55 years. He was City Engineer of Lynn for 12 years previous to his election to the water board, and was former President of the New England Water Works Association. He had been acting strangely for some time and was believed to be insane.

Mr. Dominic Lindenthal, a brother of Gustav Lindenthal, M. Am. Soc. C. E., lately committed suicide by shooting while temporarily deranged by worry over his work; he was Superintendent of the Guama mines, of the Cuban Steel Ore Co. He was born in Vienna, about 32 years ago; was highly educated there and came to the United States in 1887, and entered the employ of the Bethlehem Steel Co. He later went to Pittsburg and was an assistant to his brother in the construction of a number of bridges. He was a very conscientious worker, and was always worrying about the character of his work and fearing that it would not come up to the standard that he had fixed. This characteristic is given as the only apparent reason for his rash act.

Mr. H. Walter Webb, former Third Vice-President of the New York Central R. R. Co., died at his home, in Scarborough-on-the-Hudson, on June 18, from heart disease. Mr. Webb was the son of the late James Watson Webb, and was born at Tarrytown, N. Y., May 6, 1852. He was graduated from the Columbia School of Mines and the Columbia Law School, and commenced the practice of law; but in 1882 he entered the banking firm of his brother, W. Seward Webb. In 1886 he was made Vice-President of the Wagner Palace Car Co.; in 1889 he became assistant to Mr. Depew, President of the New York Central, and in 1890 he was elected Third Vice-President of that company, and held that position until March 26, 1898, when he resigned, owing to his bad state of health.

Major Louis L. Seymour, former Chief Engineer of the Rand Mines at Johannesburg, S. A., was killed in an engagement at the Zand River, on June 14, while in command of a force of Transvaal Engineers in the service of the British army. Major Seymour was born at Whitney's Point, N. Y., in 1860. He was for a time in the employ of the Lackawanna Steel & Iron Co., as an engineer. In 1882 he was sent to Venezuela by the Dickson Manufacturing Co. to set up machinery in a gold mine, and he remained there three years as Superintendent. In 1888 he went to Kimberly for the De Beers Mining Co., and equipped the mines with hoists which saved much coal. After three years spent in London as Consulting Engineer for the Kimberly mines, he was made Superintendent of the Rand mines.

Mr. Alfred Colin, late of the U. S. Navy, died on May 10, in California, while making some investigations for the French government. Mr. Colin was born in Paris and graduated from the National School of Engineering, at Chalons. He then came to this country and in 1861 he was commissioned as Assistant Engineer in the U. S. Navy and served during the Civil War. He was for a time Assistant Professor of French at the Naval Academy. Resigning from the service he became Principal of the Preparatory Scientific School, of New York city, and remained there for years. He later removed to San Francisco, and was there Engineer for a company organized for pumping salt water to baths, etc. He was a Member of the American Society of Mechanical Engineers, and the American Meteorological Society, of New York, and the Corresponding Secretary of the latter body.

ENGINEERING SOCIETIES.

COMING GENERAL MEETINGS.

INTERNATIONAL MINING CONGRESS.
June 19 to 23. Annual meeting at Milwaukee, Wis. Secy., Irwin Mahan, Sentinel Building, Milwaukee, Wis.

AMERICAN RAILWAY MASTER MECHANICS' ASSOCIATION.
June 21 to 23. Annual meeting at Saratoga, N. Y. Secy., Jos. W. Taylor, 667 Rookery Bldg., Chicago, Ill.

AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE.
June 23 to 30. New York city. Secy., L. O. Howard, U. S. Dept. of Agriculture, Washington, D. C.

AMERICAN FORESTRY ASSOCIATION.
June 25 and 26. Summer meeting in New York city.

NORTHWESTERN ELECTRICAL ASSOCIATION.
June 26 to 28. Summer convention at Waupaca, Wis. Secy., Thos. R. Mercein, 85 Michigan St., Milwaukee, Wis.

CANADIAN ELECTRICAL ASSOCIATION.
June 27 to 29. Annual meeting at Ottawa, Ont. Secy., C. H. Mortimer, Confederation Life Bldg., Toronto, Can.

SOCIETY FOR THE PROMOTION OF ENGINEERING EDUCATION.
July 2 to 4. Annual meeting at New York city. Secy., Edgar Marburg, University of Pennsylvania, Philadelphia, Pa.

AMERICAN SOCIETY OF CIVIL ENGINEERS.
July 5. At London, Eng. Secy., Chas. W. Hunt, 220 W. 57th St., New York city.

RAILWAY TRANSPORTATION ASSOCIATION.
July 18. Annual meeting at Detroit, Mich. Secy., C. P. Conard, 24 Park Place, New York city.

WESTERN SOCIETY OF ENGINEERS.—At a special meeting on June 13, Prof. C. R. Van Hise, of Madison, Wis., presented a paper on "Some Principles Controlling the Deposition of Ores," dealing more particularly with the theory that this deposition is due in large measure to the flow of underground waters, ascending and descending in the fissures and seams of the rocks. The paper was well received, and its ideas were endorsed by some of the speakers who took part in the discussion.

SOCIETY FOR THE PROMOTION OF ENGINEERING EDUCATION.—The eighth annual meeting of the society will be held at Fayerweather Hall, Columbia University, July 2 to 4, following immediately after the meeting of the American Association for the Advancement of Science. The following papers and reports are scheduled for presentation: President's Address: "Engineering Education in the United States at the End of the Century," Ira O. Baker, University of Illinois; "Personality in Teaching," John P. Brooks, State College of Kentucky; "Business Methods in Teaching Engineering," Arthur L. Rice, Pratt Institute; Report of the Committee on Industrial Education, Chairman, John B. Johnson, University of Wisconsin (the entire session will be devoted to the reading and discussion of this important report); "The Present Status and Tendencies of Engineering Education in Amerca," Robert Fletcher, Thayer School of Civil Engineering; "The Projection Lantern in Engineering Education," Charles R. Richards, University of Nebraska; "Original Investigations by Technical Schools: a Duty to the Public and to the Professions," Anson Marston, Iowa State College; "The Relations of the Technical School and the Manufacturer," Walter B. Snow, Mechanical Engineer, Jamaica Plain, Mass.; "Minor Considerations Affecting the Arrangement of a Course of Study in Civil Engineering," Henry S. Jacoby, Cornell University; "The Place of the Manual Training High School in General and in Engineering Education," Edward A. Bending, Dayton Manual Training School; "What Should be the Characteristic Features of a Course of Mathematics for Engineering Students?" Arthur E. Haynes, University of Minnesota; "The Possibilities of Correspondence Instruction," George A. Goodenough, University of Illinois; "The Development and Present Status of Architectural Education," James M. White, University of Illinois; Report of the Committee on Entrance Requirements for Engineering Colleges, Chairman, Harry W. Tyler, Massachusetts Institute of Technology; "The Practicability of an Interchange of Students for Special Laboratory Work Involving Short Periods of Time, Between Educational Institutions Favorably Situated," William F. M. Goss, Purdue University; "Operating Work as a Feature of Electrical Laboratory Training," William S. Aldrich, University of Illinois; "Secondary Technical Education in Mechanical and Electrical Lines," Arthur L. Williston, Pratt Institute; "The Promotion of Engineering Education," William G. Raymond, Rensselaer Polytechnic Institute.

NEW PUBLICATIONS.

MASSACHUSETTS GAS AND ELECTRIC LIGHT COMMISSIONERS.—Fifteenth Annual Report, being for the Year 1899. Paper; 6 x 9 ins.; pp. 186 + clxxv.; many tables. Boston: Address the Commission.

This board maintains the usual valuable features and high quality of its report this year. As we have said of previous reports of the board, this one is a veritable storehouse of gas and electric lighting statistics and allied information. The value of the work of this board is heightened by the fact that Massachusetts is the only state that has such a board and that these are the only

extensive lighting statistics systematically collected and published in this country. Editorial comment on some features of the report is made elsewhere in this issue.

REPORT OF SANITARY CONVENTION AT TRAVERSE CITY, MICH., AUG. 22 AND 23, 1899.—Supplement to the Report of the Michigan State Board of Health for the Year 1900. H. B. Baker, M. D., Secretary, Lansing, Mich. Paper; 6 × 9 ins.; pp. 105; illustrations.

This report contains some interesting papers and discussions on water supply and sewerage, both general and as related to Traverse City. Contributions on water supply were made by Mr. Geo. W. Rafter, M. Am. Soc. C. E., Prof. Delos Fall, Prof. Victor C. Vaughan and others; and on sewerage and sewage disposal, by Mr. John W. Alvord, M. Am. Soc. C. E., and H. F. Northrup, M. Am. Soc. C. E., the latter being the city engineer of Traverse City.

AMERICAN GAS LIGHT ASSOCIATION.—Proceedings of the Twenty-Seventh Annual Meeting, New York city, Oct. 18 and 19, 1899. Alfred E. Forstall, Secretary, 58 William St., New York city. Cloth; 6 × 9 ins.; pp. 190 + cevi.; illustrated. $7.

Among the interesting papers in this volume the following may be mentioned: "New or Recent Developments in Artificial Lighting," by Dr. Henry Morton; "The Steam Consumption in a Water Gas Plant," by Alten S. Miller; "Pumping Gas," by Geo. J. Roberts; and "Carburetted Water Gas as a Coal Gas Auxiliary." A good feature of the volume is a list of the gas patents granted, and another of those expiring, for the year ending Oct. 1, 1899. There is also a classified list of articles on gas and allied subjects which appeared in a number of periodicals during the last year, a list of new books on gas and lists of members.

ENGINEERING ASSOCIATION OF THE SOUTH.—Transactions for 1899. Vol. X. Howard M. Jones, Secretary and Treasurer, Nashville, Tenn. Paper; 9 × 6 ins.; pp. 102; illustrated.

Contents: "Some Recent Improvements in Tunnel on Western & Atlantic R. R.," W. H. Whorley; "Preliminary Surveys and Location of Railroads," William H. Spradlin; "Determination of the Specific Gravity and Percentage of Moisture in a Rock Sample," C. A. Locke; "Asphalt Pavements and Streets," C. S. McKinney; "Some Passenger Depots on the Nashville, Chattanooga & St. Louis R. R.," H. Gaebler; "The Greatest Moments and Shears Produced by the Typical Loading," W. H. Schuerman; "Chickamauga and Chattanooga National Park," E. E. Betts; "Railroad Construction," W. H. Spradlin; "Annual Address of the President," Wilbur F. Foster; "Annual Address of the Secretary," Howard M. Jones; Report of Committees, List of Members.

WESTERN GAS ASSOCIATION.—Proceedings for 1896-7-8. Jas. W. Dunbar, Secretary and Treasurer, New Albany, Ind. Cloth; 6x9 ins.; pp. 503; illustrated. $2.

This association is to be commended for having made a start towards bringing together its proceedings in a convenient and serviceable form, thus making available much valuable material which, we suppose, has been buried away in MSS. in the secretary's office. In the wrinkle and question box departments there will be found many valuable suggestions. Among the more formal papers we note the following: "Practical Use of Acetylene," by W. W. Goodwin; "A Study of Inclined Retorts in Europe," and "Hindrances to the Adoption of the Inclined Retort System in America," by F. Egner; "Leakages," by E. H. Jenkins; and "The Use of Gas for Other Purposes than Lighting," by C. W. Blodget. We understand that the proceedings have been edited by Mr. O. O. Thwing, of St. Louis, Mo., and that the proceedings for earlier years will be published as rapidly as the funds of the society permit, which we trust will be at early dates.

TRADE PUBLICATIONS.

(The standard sizes for pamphlets and trade catalogues recommended by all the principal engineering societies of the United States are: 3½x8 ins., 6x9 ins., and 9x12 ins.)

MECHANICAL VENTILATION AND HEATING BY A FORCED CIRCULATION OF WARM AIR.—By Walter B. Snow. A Lecture delivered at Sibley College, Cornell University, Nov. 17, 1899. Distributed by the B. F. Sturtevant Co., Boston, Mass. Paper; 9 × 6½ ins.; pp. 31; illustrated.

GRAPHITE PAINT.—Detroit Graphite Mfg. Co., Detroit, Mich. Paper; 5¾ × 6¼ ins.; pp. 8; illustrated.

This pamphlet describes the purposes and uses of the paint, and has sketches of some of the structures, etc., on which it has been applied.

EMERY WHEELS.—The Vitrified Wheel Co., Westfield, Mass. Paper; 6 × 9 ins.; pp. 30; illustrated.

This is an illustrated catalogue of emery and corundum wheels manufactured by the above company. A vitrified bond is used in the manufacture of the same.

DROP-FORGINGS.—J. H. Williams & Co., Brooklyn, N. Y. Paper; 4½ × 7 ins.; pp. 54; illustrated.

The above company manufactures drop-forgings in iron, steel, copper, bronze and aluminum. The present pamphlet contains complete tables of dimensions and prices.

AUTOMATIC TUBS AND BUCKETS FOR CONVEYING MACHINERY.—The Brown Hoisting & Conveying Co., Cleveland, O., and 26 Cortlandt St., New York city; 6 × 9 ins.; pp. 14; illustrated.

A variety of dumping buckets is shown in this catalogue, which gives prices and dimensions.

WINDMILLS.—Stover Mfg. Co., Freeport, Ill. Paper; 5¾ × 8 ins.; pp. 52; illustrated.

The "Ideal" windmill is used for pumping and for general power purposes, and the company's specialties include the windmill and its connections, gearing, pumps, water towers and tanks, feed grinders, etc.

STEEL TIRES FOR LOCOMOTIVE AND CAR WHEELS.—Latrobe Steel Co., Latrobe, Pa. Cloth; 5 × 7½ ins.; pp. 14.

The process of manufacture of weldless steel tires is briefly described and directions are given for setting the same. A table of weights and a table of shrinkages of tires are given.

LINK-BELT MACHINERY.—The Link-Belt Machinery Co. Chicago, Ill. Paper; 9 × 6 ins.; pp. 10; illustrated.

This catalogue illustrates by photogravures the application of link-belt machinery to the uses of an American packing-house, whereby the animal is automatically handled from the pen to the cutting-room.

AIR-BRAKES.—Christensen Engineering Co., Milwaukee, Wis. Paper; 6 × 9 ins.; pp. 40; illustrated.

The relative merits of the automatic and straight-air systems of air-brakes as applied to trains and separate cars are discussed in this pamphlet. The straight-air system of the above company is described and directions are given for its installation and management.

WATERWHEEL GOVERNOR.—Woodward Governor Co., Rockford, Ill. Paper; 7¾ × 5¼ ins.; pp. 24; illustrated.

These governors are operated by bevel friction wheels, and are claimed to be very sensitive and rapid in action. They have been in use for many years. A governor for water motors is also shown, and several testimonials are given.

ROPE TRANSMISSION.—Dodge Mfg. Co., Mishawaka, Ind. Paper; 12 × 9 ins.; pp. 93; illustrated.

This handsome volume contains an exposition of the American, or single-rope, system of rope power transmission. Its advantages over the English, or multiple rope, system are pointed out and illustrated by examples. Many excellent views are given of installations made by the above company.

MECHANICAL DRAFT.—By Walter B. Snow. The B. F. Sturtevant Co., Boston, Mass. Paper; 6½ × 9 ins.; pp. 22; illustrated.

This pamphlet takes up quite exhaustively the various advantages of mechanical draft as applied to the furnaces of stationary boilers. Examples are given showing the advantages to be obtained in fuel economy, control of steam pressure, increasing the capacity of existing plants, etc.

GAS AND GASOLINE ENGINES.—Witte Iron Works Co., Kansas City, Mo. Paper; 9 × 6 ins.; pp. 32; illustrated.

These engines are of the four-cycle type with horizontal cylinder and center crank. The cylinder has a water jacket, and has the ports formed in the cylinder head, while the valves are in a chamber attached to the head. A special feature of the construction is that the cylinder is cast separately from the bed-plate.

GAS-ENGINES.—Columbus Machine Co., Columbus, O. Paper; 9 × 6 ins.; pp. 20; illustrated.

This gas-engine has a governor of the hit and miss type, which, however, differs from other governors of the same type in that it enables the engine to take up its load at any revolution instead of at alternate revolutions. The other features of the engine do not differ greatly from standard practice for this class and size of engines, viz., four-cycle, single-cylinder engines of from 10 to 50 HP.

INDUSTRIAL RAILWAYS.—C. W. Hunt Co., 45 Broadway, New York city. Paper; 9¼ × 6½ ins.; pp. 32; illustrated.

This catalogue, No. 002, treats of narrow-gage railways for industrial establishments, mines, public works, etc. It includes descriptions, weights, dimensions and prices of rail, switches, turntables, crossings, cars, track-scales, electric locomotives, cranes, etc. An interesting feature is a series of views of 30 or more "special" cars built for all manner of purposes.

IRON AND STEEL ROOFING—The Youngstown Iron & Steel Roofing Co., Youngstown, Ohio. Paper; 9 × 6 ins.; pp. 80; illustrated.

In addition to iron and steel roofing and siding material, this company manufactures T. & C. sheet-metal lath, corrugated expanded metal lath and metal trough flooring for bridges and buildings. Each of these products is fully illustrated and explained; and rules of measurement, weights, etc., are given. This descriptive matter is very full and satisfactory.

ANCHOR BOLTS.—L. K. Sherman, Lockport, Ill. Paper; 6 × 9 ins.; pp. 4; illustrated.

These bolts are for fastening iron work to masonry and are made hollow, with enlarged ends. When the position is located a hole is drilled in the stone or concrete, the bolts are attached to the ironwork, and when the latter is finally lined up a thick grout of neat cement is pumped through the bolt, filling the cavity around it. In the regulating works of the Chicago Drainage Canal, 300 of these bolts were used.

CONSTRUCTION NEWS.

CONDENSED LIST OF CONTRACTS PENDING WITH DATE OF OPENING BIDS.

Bids to be opened	Work.	Place.	See Eng. News.
June 21.	Penitentiary, New York, N. Y.		June 7
June 22.	Police stations, New York, N. Y.		June 14
June 22.	Sewer, Niagara Falls, N. Y.		June 14
June 22.	Brick sewers, Springfield, Mass.		June 14
June 23.	Paving, West Bethlehem, Pa.		June 14
	Advertised, Eng. News, June 7 and 14.		
June 23.	Boilers, St. Louis, Mo.		May 24
	Advertised, Eng. News, May 24 to June 14.		
June 23.	Asphalt paving, etc., Washington, D. C.		June 7
	Advertised, Engineering News, June 7.		
June 25.	Removing wrecks, Wilmington, Del.		June 7
June 25.	Ice piers, Philadelphia, Pa.		May 31
	Advertised, Eng. News, May 31 to June 21.		
June 25.	Water-works and sewerage, Bedford, N.Y.		June 14
	Advertised, Eng. News, June 14 and 21.		
June 25.	Electric machinery, Chicago, Ill.		June 21
June 25.	High school, New York, N. Y.		June 21
June 25.	Water and sewer bonds, Newbern, S. C.		June 21
June 25.	Brick paving, Albia, Ia.		June 21
June 25.	Iron bridge, Three Rivers, Ont.		June 21
June 25.	School house, Boston, Mass.		June 21
June 25.	Water-works, Helena, Mont.		June 21
June 26.	Highway bridges (4), Urbana, Ill.		June 21
June 26.	Sewers, Massillon, O.		June 21
June 26.	Field ranges, Jeffersonville, Ind.		June 21
June 26.	School house, Aneta, N. Dak.		June 14
June 26.	Reservoir, Quincy, Mass.		June 14
	Advertised, Engineering News, June 14.		
June 26.	School house, Reynoldsburg, O.		June 14
June 26.	Laundry building, Wilmington, N. C.		June 14
June 26.	Pipe sewer, Webster, Mass.		June 14
	Advertised, Eng. News, June 14 and 21.		
June 26.	Pipe sewers, St. Louis, Mo.		June 14
June 26.	Electric plant, Hastings, Neb.		June 14
June 26.	Bridge, Chitwood, Ore.		July 24
June 26.	Water-works, East Grand Forks, Minn.		June 7
June 27.	Water-works, Bellevue, O.		June 7
	Advertised, Eng. News, June 7 and 14.		
June 27.	Levees, Memphis, Tenn.		May 31
	Advertised, Eng. News, May 24 to June 7.		
June 27.	Hospital buildings, Boston, Mass.		June 14
June 27.	Paving, New York, N. Y.		June 21
June 27.	School house, Moorland, O.		June 21
June 27.	Heating plant, Washington, D. C.		June 21
June 27.	Hospital pavilion, New York, N. Y.		June 21
June 28.	Park work, New York, N. Y.		June 21
June 28.	Brick paving, Geneva, N. Y.		June 21
June 28.	Garbage crematory, Lancaster, Pa.		June 21
June 28.	Heating plant, St. Louis, Mo.		June 21
June 28.	Street improvements, Janesville, Wis.		June 14
June 28.	Sewer, Hudson, N. Y.		June 14
June 28.	Excavating, Vicksburg, Miss.		May 31
	Advertised, Eng. News, May 31 to June 21.		
June 28.	Repairing building, Philadelphia, Pa.		June 7
June 29.	Steel bridge, Camden, N. J.		June 14
	Advertised, Eng. News, June 14 and 21.		
June 29.	Street improvements, Mansfield, O.		June 7
June 29.	Water tower, Alliance, O.		June 7
June 29.	Dikes, Mound City, Ill.		May 31
	Advertised, Eng. News, May 31 to June 21.		
June 29.	Water-works bonds, Natchitoches, La.		June 14
June 29.	Electric lighting, St. John, N. B.		June 14
June 29.	Concrete paving, Cadiz, O.		June 21
June 30.	Library building, Oakland, Cal.		June 21
June 30.	Jail, Susanville, Cal.		June 21
June 30.	Library building, Bradford, Pa.		June 21
June 30.	Water bonds, Denver, Colo.		June 21
June 30.	Church, Findlay, O.		June 21
June 30.	Life saving station, Plymouth, Mass.		June 21
June 30.	Addition to infirmary, Urbana, O.		June 14
June 30.	Shops, New York, N. Y.		June 14
June 30.	Earth excavation, Buffalo, N. Y.		June 14
	Advertised, Eng. News, June 14 and 21.		
June 30.	Brick sewer, Zanesville, O.		June 14
June 30.	Dredging, etc., Galveston, Tex.		May 31
	Advertised, Eng. News, May 31 to June 21.		
June 30.	Dredging, Newport, R. I.		May 31
	Advertised, Eng. News, May 31 to June 21.		
June 30.	Barracks, etc., Fort Caswell, N. C.		May 31
June 30.	Pumping engines (2), Washington, D. C.		Apr. 26
	Advertised, Engineering News, Apr. 26.		
June 30.	Controlling canal flow, Chicago, Ill.		May 24
June 30.	Dredging, Portland, Me.		June 7
	Advertised, Eng. News, June 7 to 28.		
June 30.	Fire alarm system, Cleveland, O.		June 7
July 1.	Heating plant, etc., Perth, Ont.		June 7
July 1.	Water-tight joint, New Orleans, La.		June 7
	Advertised, Eng. News, June 7 to 28.		
July 1.	Bridge, Yreka, Cal.		June 7
July 1.	Gas lighting, Mansfield, O.		May 24
July 1.	Wrought iron bridge, Eureka, Cal.		May 24
July 1.	Hotel building, Marlin, Tex.		June 14
July 2.	Brick paving, Hornellsville, N. Y.		June 14
	Advertised, Eng. News, June 14 and 21.		
July 2.	Water-works, Baker City, Ore.		June 14
	Advertised, Engineering News, June 14.		
July 2.	Removing wreck, Philadelphia, Pa.		June 14
July 2.	Bridge, Goldendale, Wash.		May 10
July 2.	Electric lighting, Oskaloosa, Ia.		May 24
	Advertised, Engineering News, May 24.		
July 2.	Bridge, Quincy, Cal.		May 31
July 2.	Bridge, Port Orchard, Wash.		June 7
July 2.	Water-works, St. Michaels, Md.		June 21
	Advertised, Engineering News, June 21.		
July 2.	Drainage ditch, Princeton, Ill.		June 21
	Advertised, Engineering News, June 21.		
July 2.	Road improvements, Paterson, N. J.		June 21
July 2.	Sumberged crib, Dunkirk, N. Y.		June 21
	Advertised, Eng. News, June 21 and 28.		
July 2.	Street improvements, Wauseon, O.		June 21
July 2.	Bridge superstructure, Portsmouth, O.		June 21
July 2.	Extending building, Washington, D. C.		June 21
July 2.	Mortar carriages, Washington, D. C.		June 21
July 3.	County road, Pittsfield, Mass.		June 21
	Advertised, Eng. News, June 21 and 28.		
July 3.	Bridge, Sioux Falls, S. Dak.		June 21
July 3.	Buildings, Agricultural College, Mich.		June 21
July 3.	School house, Columbus, O.		June 21
July 3.	Water tunnel, Cincinnati, O.		June 7
	Advertised, Eng. News, May 31 to June 21.		
July 3.	Brick paving, Delta, O.		June 7
	Advertised, Engineering News, June 7.		
July 3.	Sewers, etc., Roanoke, Va.		June 14
July 3.	Jail, Santa Barbara, Cal.		June 14
July 3.	Macadam paving, Adena, O.		June 14
July 5.	Light-house lantern, San Francisco, Cal.		June 14
	Advertised, Eng. News, June 14 to 28.		
July 5.	Paving, Cincinnati, O.		June 14
July 5.	Heating plant, Columbus, Ga.		June 7
July 5.	Fireproofing, Washington, D. C.		June 7
	Advertised, Eng. News, June 7 to 28.		
July 5.	Dike work, Cincinnati, O.		June 7
July 5.	Officers' quarters, West Point, N. Y.		June 7
July 5.	Drainage ditch, Onawa, Ia.		May 31
July 5.	High school building, Chillicothe, O.		June 21
July 5.	Water bonds, Lansingburg, N. Y.		June 21
July 6.	Light vessel, Astoria, Ore.		June 21
July 6.	Boring well, Hyattsville, Md.		June 7
	Advertised, Eng. News, June 7 to 21.		
July 6.	Deep-well pump, Cincinnati, O.		June 14
	Advertised, Eng. News, June 14 and 21.		
July 6.	Altering postoffice, Springfield, Mass.		June 14
July 7.	Gate houses, Washington, D. C.		June 14
	Advertised, Engineering News, June 14.		
July 7.	Bridge, Newport News, Va.		June 14
	Advertised, Eng. News, June 14 and 21.		
July 7.	Pipe sewers, Napoleon, O.		June 21
July 7.	Light-house, Rhode Island.		June 21
	Advertised, Eng. News, June 21 and 28.		
July 7.	Grading, Youngstown, O.		June 21
July 7.	Street grading, Washington, D. C.		June 21
	Advertised, Engineering News, June 21.		
July 7.	Water pipe, Washington, D. C.		June 21
	Advertised, Engineering News, June 21.		
July 7.	County roads, Valparaiso, Ind.		June 21
July 7.	School house, New Richland, Minn.		June 21
July 7.	School house, Bellefontaine, O.		June 21
July 7.	Store house, Norfolk, Va.		June 21
July 9.	Street improvements, Carthage, O.		June 21
July 9.	Suspending water pipe, St. Paul, Minn.		June 21
	Advertised, Eng. News, June 21 and 28.		
July 9.	Paving, Toledo, O.		June 21
July 9.	Bath house, Cleveland, O.		June 21
July 9.	Heating plant, Bristol, Tenn.		June 21
July 9.	U. S. building, New Brighton, Pa.		June 21
July 9.	Poorhouse building, Detroit, Minn.		June 14
July 9.	Ordnance supplies, Springfield, Mass.		June 14
July 10.	Pier superstructure, Buffalo, N. Y.		June 21
	Advertised, Eng. News, June 21 to July 5.		
July 10.	Street improvements, Ridgefield, N. J.		June 21
July 10.	Water pipe, Weaverville, Cal.		June 21
July 11.	Pumping engine, Wyoming, O.		June 21
July 11.	Paving, Marinette, Wis.		June 21
	Advertised, Eng. News, June 21 and 28.		

July 11. School house, West Liberty, O. .....June 21
July 11. Pumping engines (2), Detroit, Mich. .....Apr. 12
Advertised, Eng. News, Apr. 12 to 26.
July 11. Bridge, Chicago, Ill. .....May 17
July 12. Dredging, Cincinnati, O. .....June 14
Advertised, Eng. News, June 14 to July 5.
July 12. Bridge superstructure, Glendive, Mont. ...June 21
Advertised, Engineering News, June 21.
July 12. Textile building, Cateechee, S. C. .....June 21
July 12. Lock and dam, Ottawa, Ont. .....June 21
July 12. Removing ledges, Boston, Mass. .....June 21
Advertised, Eng. News, June 21 to July 12.
July 12. Building material, etc., Washington, D. C. June 21
Advertised, Eng. News, June 21 to July 12.
July 12. Paving and sewers, Portsmouth, O. .....June 21
July 12. Brick paving, Conneaut, O. .....June 21
July 12. Excavating, Cincinnati, O. .....June 21
Advertised, Eng. News, June 21 to July 12.
July 19. Electric bonds ($10,000), Lakewood, Ore. ...May 10
July 21. Ordnance supplies, Watervliet, N. Y. .....June 21
July 23. Ordnance supplies, Benicia, Cal. .....June 21
July 23. Removing wreck, New York, N. Y. .....June 21
Advertised, Eng. News, June 21 to July 5.
July 31. Improving harbor, Montevideo, Uruguay..Mar. 1
Aug. 1. Bridge, Sydney, New South Wales.....Mar. 15
Advertised, Engineering News, Mar. 15.
Aug. 1. Arc lighting, Buenos Ayres, Argentine. ...May 3
Aug. 1. Electric plant, Lawrenceburg, Ind. .....June 21
Advertised, Eng. News, June 21 to July 5.
Aug. 7. Iron bridges (3), Vincennes, Ind. .....June 21
Aug. 7. Heating plant, Vincennes, Ind. .....June 21
Aug. 8. Dredging, Chicago, Ill. .....June 14
Aug. 9. Asylum buildings, Decatur, Ind. .....June 14
No date. Paving, West Bethlehem, Pa. .....June 7
Advertised, Eng. News, June 7 and 14.

NOTICE TO READERS.—Although every possible effort is made to verify the reports of new construction before their publication in these columns, complete verification is not always possible. When it becomes necessary to publish news whose accuracy has not been verified, the words "according to reports," "it is stated," or other expressions of similar import are attached to the item. We will be obliged to our readers if they will send us prompt reports of any work in which they may be interested, and also to call our attention to any important errors that may be noticed in these columns, and give us the correct details. When writing to persons and companies mentioned in this department, our readers will confer a favor by mentioning Engineering News as the source of their information.

RAILWAYS.

(For foreign railway news see under "Foreign Contract and Export News.")

AMERICAN, MEXICAN & PACIFIC.—Reports state that this company is to be incorporated with $5,000,000 capital stock to build a road with a total distance of 1,040 miles. It is stated that a complete preliminary survey has been made, and that the road between Phoenix, Ariz., and Banderez Bay, Mexico, will be completed within two years. A connection is to be made with the Mexican Central. Wheeler W. Williams, Tuscon, Ariz.; O. P. Widaman, Los Angeles, Cal., and A. K. Coney, San Francisco, Cal.

ARIZONA.—It is reported that a railway is projected from El Paso, Tex., to Bisbee, Ariz., about 300 miles. The Copper Queen Mining Co., Tucson, is said to have made a proposition to the St. Louis & San Francisco Co., offering to join in the building of the line.

BATON ROUGE, HAMMOND & EASTERN.—Incorporated in Louisiana with $150,000 capital stock, to build a road, which will traverse a district where railway facilities are now lacking. It is announced that the preliminary work will be started at once. W. R. Watson, Pres.; A. F. Gates, Vice-Pres.; W. E. Libby, Secy.

EAST SHORE.—Reported as incorporated in New York with $10,000 capital stock, to build a road from Poughkeepsie to the Hudson River State Hospital. Chas. Hicks, Poughkeepsie, and E. C. H. Rand, New York, are interested.

ENSLEY SOUTHERN.—The contract for constructing the portion of this line from Ensley, Ala., to the Little Warrior River, about 20 miles, has been let to C. D. Smith & Co., Birmingham, Ala., according to reports. The contract includes grading, bridges, culverts, and the laying of ties and rails. The first eight miles are to be completed within five months, the construction to be started at once, and the remaining 12 miles must be finished in 12 months. A line between the Warrior and Little Warrior rivers remains to be built. Two iron bridges will be needed, one for each river. (See issue of May 3.)

EVANSVILLE & TERRE HAUTE.—W. M. Corbett, Supt., Evansville, Ind., is reported as stating that work is to be started this month on the reballasting of the road for a distance of 25 miles, and the relaying of 10 miles with 80 lb. rails, starting south of Terre Haute. An iron bridge, 234 ft. in length, is to be built over the Patoka River, near Princeton. E. N. Pfaffin, Ch. Engr., Evansville.

FAYETTEVILLE, TAHLEQUAH & WESTERN.—The grading of this line to Prairie Grove, Ark., is reported as finished. The survey has been made from Fayetteville, Ark., to Stillwell, Ind. Ter., and will be immediately continued towards Tahlequah. Some of the rails have been purchased.

GURDON & FORT SMITH.—This company has been incorporated in Arkansas to build a road 30 miles in length, running from Gurdon to Shawmut. The capital stock is $300,000, of which $60,000 has been subscribed. Wm. Grayson, St. Louis; S. C. Wallace, Arkadelphia, and Thos. Gage, Gurdon, Ark., are interested.

IDAHO EXTENSIONS.—This company has been incorporated in Boise, Idaho, with $10,000 capital stock, to build a spur line from Wardner to Deadwood Gulch, about five miles, in connection with the Oregon Ry. & Navigation Co.'s line. Joseph Perrault, Pres.; W. H. Kennedy, Ch. Engr., Portland, Ore.

KANSAS CITY, OSCEOLA & SOUTHERN.—T. G. Taylor, Pierce City, Mo., informs us that the improvements on this road are well under way. The contractors for the ballast and banking are B. Lantry Sons. The bridging will be done by the Leavenworth Bridge Co., Leavenworth, Kan. The work will consist of widening and raising the banks, putting in heavy iron bridges, the relaying of rails between Osceola and Kansas City with 70 lb. steel, and the ballasting of the entire road with limestone ballast. The line is 187 miles in length, and is a division of the St. Louis & San Francisco R. R. B. F. Yoakum, Pres., St. Louis, Mo.

LITTLE ROCK, HOT SPRINGS & WESTERN.—The extension of this line to Paris, Tex., is reported to have been assured. The contemplated route is via Mena, Ark. H. S. Fleming, Ch. Engr., Little Rock, Ark.

MANISTEE & NORTHEASTERN.—A survey is now under way for the proposed line through Leelanau county, connecting Traverse City with Empire and Good Harbor. A branch line will probably be built from Traverse City, Mich., to Carp Lake, where a park and resort will be established. J. J. Hubbell, Ch. Engr., Manistee, Mich.

ONEONTA & ATTALLA.—Reports state that the contract for the construction of the first nine miles of this road has been let to C. D. Smith & Co., Birmingham, Ala. The work is to be completed in 90 days.

PARAGON.—Reported as incorporated in South Carolina to build a line three miles long, extending from the Paragon Kaolin Mines, near Langley, to a point between Langley and Bath. One mile of the road, which will be a narrow-gage, has already been constructed by the T. G. Lamar Kaolin Co. The capital stock is $10,000. W. J. Davies, W. L. Davies, Beech Island, and T. J. Southall, Langley, S. C., are the incorporators.

PENNSYLVANIA.—The Sharon Steel Co., Sharon, is having surveys made for a railway from Wilmington Junction to Slippery Rock and Plain Grove, about 25 miles distant. The company has leases on 12,000 acres of coal and limestone land which will be traversed by the road. Coke ovens will be erected at Sharon. J. P. Whitta, Sharon, is interested.

PENNSYLVANIA R. R.—A survey for a new route into New Brunswick, N. J., is reported to have been made. The new line will commence just west of Metuchen, and will be built to avoid the elevation of present tracks. R. P. Snowden, Div. Engr., Camden, N. J.

PHILADELPHIA & READING.—The contracts for grading and masonry are reported to have been let to Kearn & Eagan, Philadelphia, Pa., and Joseph Ryan, Woodbury, N. J., for a new line from a point on the Port Reading line to tap the clay pits at Woodbridge, N. J., about 1½ miles in length.

PITTSBURG & LAKE ERIE.—Improvements are being made to the company's yards at McKees Rocks, Pa. It is stated that the plans provide for one of the largest yards in the country. It is proposed to have four tracks between McKees Rocks and Pittsburg, and between Pittsburg and Monaca. Third and fourth tracks at frequent intervals between Beaver Falls and Youngstown will be provided for. J. A. Atwood, Ch. Engr., Pittsburg, Pa.

ROCKFORD, BELOIT & JANESVILLE.—This company has been incorporated with $200,000 capital stock, to build a road from Rockford, Ill., to near Beloit, Wis. Howard M. Carter, Evanston, Ill., and Sidney W. Worthey, Chicago, Ill., are interested.

SANTA FE, PRESCOTT & PHOENIX.—Reports from Arizona state that the survey of a route for a line between Congress and the Hillside mine has been started. It is proposed to construct several branches to promising mineral sections. F. M. Murphy, Pres.; W. A. Drake, Ch. Engr., Prescott, Ariz.

SUMPTER VALLEY.—Joseph A. West, Ch. Engr., Baker City, Ore., informs us that the contract for constructing this 45-mile road has been let to the Utah Construction Co., Ogden, Utah. About 10 miles has been surveyed, and the right of way is mostly secured. The capital has also been secured. David Eccla, Pres., Ogden, Utah.

STREET AND ELECTRIC RAILWAYS.

AUGUSTA, ME.—The state railroad commissioners have granted permission to construct the proposed electric railway between this city and Togus.

ANDOVER, MASS.—The selectmen have granted a franchise to the Haverhill & Andover Co. for a line from Andover to Haverhill on the south bank of the Merrimac River, extending through this town.

BOSTON, MASS.—Local papers state that the railroad commissioners have authorized the Lexington & Boston St. Ry. Co. to issue bonds to the amount of $100,000.

MALDEN, MASS.—The petition of the Boston Elevated R. R. Co. for a number of new locations for its tracks in this city has been referred to the committee on street railways.

MEDWAY, MASS.—The Medfield & Medway St. Ry. Co. has petitioned the railroad commissioners for permission to increase its capital stock from $50,000 to $100,000 to defray the cost of building the new line to Franklin, now under construction.

MILFORD, MASS.—The Milford & Uxbridge St. Ry. Co. has applied for a charter to build a road between those towns. Capital stock, $50,000. It is stated that the company proposes to build this summer. Israel A. Kelsey, New Haven, Conn.; Jas. Daly, Uxbridge, and Samuel A. Andrew, Hopedale, are interested.

PITTSFIELD, MASS.—The Pittsfield Electric St. Ry. Co. will apply to the commissioners for permission to increase its capital stock by $60,000, to provide for double tracks in certain parts of this city.

WAREHAM, MASS.—A charter will soon be applied for by the New Bedford & Onset St., to build an electric road from Fairhaven to Onset, on which work will be started as soon as the grant is made. Jos. K. Nye, Fairhaven; Thos. B. Thipp, New Bedford, and Chas. S. Mendall, Mattapoisett, are interested.

ALBANY, N. Y.—The question of building an electric railway from this city to Schenectady, via Newtonville and Loudonville, and from Schenectady to Troy, over the old Schenectady Turnpike, is being agitated.

BABYLON (L. I.), N. Y.—The village trustees have approved the application of the Babylon R. R. Co. for an extension of its line from Deer Park Ave. to the village limits at Oakley's Brook.

SYRACUSE, N. Y.—Local papers state that the Lakeside & Baldwinsville R. R. is to be extended to Cato and Woodard at an early date. The work will cost about $150,000. W. Judson Smith, Mgr.

UTICA, N. Y.—An electric railway from this city to Sauquoit, via Willowvale, is proposed, according to reports. The road is to be operated in connection with the proposed summer resort at Willowvale.

NEWARK, N. J.—It is stated that the North Jersey St. Ry. Co. has completed negotiations for the extension of its system from Jersey City to Hackensack. J. G. Elliott, Ch. Engr., Newark.

TRENTON, N. J.—The Richmond Beach Ry. Co., of Jersey City, has been incorporated, with $2,000. S. W. Bowles and H. A. Wolff are interested.

BEAVER, PA.—Local papers announce that the Beaver Traction Co., the People's Electric St. Ry. Co., the College Hill & Mirado Ry., and the Beaver & Vanport Electric Ry. have been acquired by a syndicate, which proposes to expend a large sum of money in improving the lines. It is reported that new cars will be purchased and that engineers will soon begin work on the proposed extension of the Rochester line to Conway, and the Vanport line to the Cleveland & Pittsburg crossings. John M. Buchanan, Pres. Beaver Valley Traction Co., is reported as interested.

CHESTER, PA.—The Philadelphia & Delaware St. Ry. Co. has been authorized to build a line on certain streets in this city.

MAHONING, PA.—The borough council has granted a franchise to the Lakeside Electric Ry. Co. to extend its tracks along certain streets.

YORK, PA.—Local papers state that the consolidation of the York Light, Heat & Power Co. and the York Traction Co. insures the building of the proposed electric railway connecting Dover, Dallastown, Wrightsville and other county towns with this city. Geo. S. Billmeyer and W. A. Howes are interested.

BALTIMORE, MD.—The United Ry. & Electric Co. has petitioned the council for franchises for certain privileges, which include the right to make curve connections and lay new tracks on certain streets.

RICHMOND, VA.—J. N. Mulholland, Gen. Mgr., Richmond, writes us that the Westhampton Park Ry. Co. will let the contract for building the proposed road from Richmond to Westhampton Park, about seven miles, and for improving the park, which is the company's property. A survey has been made and the line located. The contract will include the engineering. Mr. Mulholland states that negotiations for the work are now going on, but no decided offer has yet been made. R. A. Patterson, Pres.

HUNTSVILLE, ALA.—A branch line will be run by the Huntsville Ry., Light & Power Co. to the McCalley Grove, where a public park will be established, according to reports. It is stated that the construction will be started about June 25. T. C. du Pont, Pres.

ATLANTA, GA.—The Atlanta Ry. & Power Co. has petitioned the county commissioners for the use of certain roads for extensions to its line.

CHATTANOOGA, TENN.—It is stated that the Chattanooga Rapid Transit Co. will begin work at once on the extension to Lookout Mountain. G. Fitzwater, Ch. Engr.

WARTRACE, TENN.—J. G. Garlington, Gen. Mgr. Wartrace & Lynchburg Ry. Co., Aurora, Ill., writes us that the final survey has just been completed, and the right of way has been secured. W. H. Haven, Ch. Engr., Tullahoma, Tenn., is now conferring with Chicago directors regarding the construction, which will soon be started. H. H. Evans, Pres., Aurora, Ill.

MARYSVILLE, O.—The county commissioners have granted John S. Gill, Columbus, a 25-year franchise for the proposed electric line through this town, connecting Columbus, Dublin, Plain City, Mechanicsburg and Urbana.

TOLEDO, O.—The Victory Park Ry. Co. has been incorporated with $50,000 capital stock to operate the electric line on Put-in-Bay Island. Chas. Ryan and Frank J. Buchle are interested.——The question of building an electric road from the Casino to Lake Erie, along the bay shore, is being considered by the promoters of this city.

YOUNGSTOWN, O.—It is reported by J. H. Whitney, Pittsburg, Pa., promoter, that the construction of the proposed electric road from Youngstown to Sharon will soon be started. Applications for franchises and rights of way have been made by J. D. Milligan, who has charge of making the surveys.

FORT WAYNE, IND.—The county commissioners have granted a franchise for the electric road from New Haven to Fort Wayne. Work is to be started within six months, and the line completed by one year. C. W. Orr, W. S. O'Rourke and L. S. Mill are interested.

RUSHVILLE, IND.—A company has been organized, known as the Brookville & Rushville Traction Co., to build a road from Rushville to Brookville, via Andersonville. The company will apply for incorporation within a few days. The capital stock will be $50,000. A. L. Stewart, Engr., Rushville, is interested.

WABASH, IND.—The county commissioners granted a franchise to the Marion Transit Co., on June 5, for an electric railway from Converse to this city, via Sweetser 12 miles, to be completed by Jan. 1, 1902.

LANSING, MICH.—Local papers state that the contract for building the Lansing, St. Johns & St. Louis Electric Ry. Co.'s line has been awarded to John E. Mills & Co., Port Huron.

SAGINAW, MICH.—George Silsby, Pres., informs us that the portion of the line of the proposed Saginaw Southern Ry. Co. has been graded and bridged between Saginaw and Bay City. The right of way has been secured and the curvey made. Boston parties have the contract for the construction. The road will be operated by electricity and will be 50 miles in length.

WAUKEGAN, ILL.—Application is to be made by the Waukegan, Fox Lake & Western Electric Ry. Co. for permission to build its proposed electric road of 25 miles. The company has a capital stock of $100,000. Robt. D. Wynne, David T. Webb and Richard Cole are interested.

FOND DU LAC, WIS.—The Wisconsin Rapid Transit Co. has been incorporated, with $25,000 capital stock, to build an electric line, with telegraph and telephone lines. H. G. Smith, C. D. Smith and R. S. Wilkins are interested.

STILLWATER, MINN.—The question of extending the South Stillwater Electric Ry. is now under consideration. C. G. Goodrich and M. D. Munn are interested.

OMAHA, NEB.—Local papers state that an electric line is projected to run through Valley, Irvington, Elk City, Millard, Waterloo, Florence and other cities in Douglas county.

SIOUX FALLS, S. DAK.—The Queen City Ry. Co. has been incorporated, with $1,000,000 capital stock, to construct a street railway system in Sioux Falls. Chas. M. Harrison, Geo. Schlosser and P. F. Sherman are interested.

KANSAS CITY, MO.—The stockholders of the Metropolitan St. Ry. will hold a meeting on Aug. 6 for the purpose of raising $2,800,000 for the change of motive power from cable to electric, and for the construction of new lines and extensions of old ones, recently authorized by the council. Walton H. Holmes, Pres., and W. E. Kirkpatrick, Secy.

ST. LOUIS, MO.—Local papers state that preliminary surveys have been started by Chas. Sheppard for a belt line in this city.

FORT WORTH, TEX.—Preliminary arrangements are reported to have been completed for the construction of the proposed electric railway between this city and Dallas. The line will be standard gage. H. C. Edrington is interested.

OKLAHOMA CITY, OKLA. TER.—The Oklahoma Land & Electric St. Ry. Co. has been organized, with $200,000 capital stock, to build a street railway, on which construction is to be started as soon as permission is granted. J. M. Lindsay, Pres., Gainesville, Tex.; S. E. Laird, Vice-Pres.; Geo. C. Kelly, Gen. Mgr., Birmingham, Ala.

SEATTLE, WASH.—G. W. Chapman, Ch. Engr., Seattle, Tacoma & White River Valley Electric Ry., 513 New York Block, Seattle, informs us that all the right of way for the company's line through Orilla, O'Brien, Kent, Thomas, Christopher, Auburn and Edgewood, about 32 miles, has been secured, and part of the route has been surveyed. The remaining distance is now being located and surveyed. The capital has been partly secured and the contract will be let for construction when the remainder is subscribed. It is expected to begin construction by Aug. 1. F. E. Sander, Pres., Seattle, Wash.

HAMILTON, ONT.—The Hamilton, Grimsby & Blainsville Electric Ry. Co. has been asked to extend its line from Grimsby village for a distance of ¼ of a mile, so as to connect with the Grand Trunk system. It is said that the line will be built if the right of way can be secured. W. A. Sweet, Ch. Engr.

OTTAWA, ONT.—The Ottawa, Brockville & St. Lawrence Ry. Co. has filed articles of incorporation to build an electric road from Ottawa, through Carleton, Greenville and Leeds to Brockville. The company is authorized to bond the road at $25,000 a mile. Electric power will be transmitted to Brockville from water powers along the route. Alex. McLean, Ottawa; Daniel Downey, Brockville, and A. E. Baker, Merrickville, are interested.

ELECTRIC LIGHT AND POWER.

CONCORD, MASS.—This town has voted to appropriate $16,000 for the purpose of erecting a plant, according to reports.

PALMER, MASS.—The Ludlow Mfg. Co. will erect a plant near Red Ridge. The contract is said to have been let to Holbrook, Cabot & Daly, 1007 Tremont Bldg., Boston.

ILION, N. Y.—The special commission is said to have engaged Mr. Perkins, of Hartford, Conn., as consulting engineer for the proposed electric plant.

VAILSBURG, N. J.—Reports state that the lighting committee will soon ask for bids for lighting this town. The present contract will soon expire.

JOHNSTOWN, PA.—The council is said to be considering the question of granting a franchise to the Johnstown Steam Heat & Power Co.

POTTSTOWN, PA.—We are informed that C. Jess Young, 3718 North Charles St., Philadelphia, will erect the plant for the French Creek Water Power Co., to develop about 2,000-H.P.

YORK HAVEN, PA.—The York Haven & Power Co. has completed plans for a plant to cost about $500,000.

BALTIMORE, MD.—The United Railways & Electric Co. will, it is said, erect a power house on Dugan's and O'Donnell's wharves, to cost about $250,000.

ANDERSON, S. C.—We are informed the Georgia-Carolina Mfg. Co. has taken no steps as yet for developing the water power at Halton's Shoals in the Tugelo River, and will probably take none for some time.

ATLANTA, GA.—Thos. Elliott, Ch. Engr., writes us that the contract for the building, boilers, economizers, engines, generators and heating system for the Atlanta Railway & Power Co. has been let. The company will purchase one 2,000-H.P. and one 800-H.P. high grade low speed engines. The plant will cost about $75,000, and operate 25,000 16-c. p. incandescent lights.

COLUMBUS, GA.—The contract for erecting the new buildings for the Columbus Power Co., on North Highlands, is said to have been let to Rufus Jones.

BIRMINGHAM, ALA.—The Consolidated Electric Light Co. has increased its capital stock from $550,000 to $700,000, and will double the capacity of its plant. R. Jemison, Pres.

MONTGOMERY, ALA.—Alderman C. L. Ruth writes us that the city engineer and electrician are preparing preliminary plans and estimates for erecting a plant in connection with the water works, and it will be several months before anything definite is done.

GALLATIN, TENN.—Reports state that this city has sold bonds for erecting a plant, and will start work at once.

COLUMBUS, IND.—It is stated that the council has decided to spend about $25,000 in erecting a new power house.

LAWRENCEBURG, IND.—Bids are asked until August 1 for erecting a plant, as stated in our advertising columns. Jos. F. Frazier, Cy. Clk.

RICHMOND, IND.—W. W. Zimmerman, Mayor, writes us that bids will be received now for plans and specifications for a plant, to cost between $60,000 and $100,000.

ALGONAC, MICH.—This town recently voted to issue $20,000 in bonds for erecting a plant and water-works.

BAY CITY, MICH.—Reports state that the city will soon increase the capacity of its plant.

CARO, MICH.—T. R. Van Degrift, care of the Stillwell-Bierce & Smith-Vaile Co., Dayton, O., writes us that the Caro Electric Light & Power Co. has postponed the erection of its proposed plant for the present. About $25,000 has so far been raised for the work.

KALAMAZOO, MICH.—Reports state that a special election will be held this month to vote on the question of abolishing the present municipal plant.

SAGINAW, MICH.—This city is said to be considering the question of erecting a municipal plant. City Engineer Terry has submitted a preliminary estimate of $71,870 to the board of public works.

SOUTH HAVEN, MICH.—This city has, according to reports, voted to issue $10,000 in bonds for completing the municipal plant.

CHICAGO, ILL.—Bids are asked until June 25 for installing piping and a condenser in the R. A. Waller municipal plant. Edw. B. Ellicott, Cy. Electrician.

MATTOON, ILL.—The electric light committee will, it is said, purchase a 100-light dynamo.

ORION, ILL.—R. J. Fullerton, Thos. Holland and C. A. Asplund have been appointed a special committee to secure estimates, plans, etc., for erecting the proposed municipal plant.

RIVER FALLS, WIS.—Reports state that this city has voted to issue $8,000 in bonds towards erecting a plant, which when completed will cost about $17,000.

MARSHALLTOWN, IA.—The county supervisors have decided to erect a plant to light all the county buildings.

DULUTH, MINN.—We are informed that the Highland Canal & Power Co. will receive bids next October for developing about 30,000-H.P., hydraulic and electric, for general distribution, requiring about two miles of steel pipe, impulse hydraulic motors, canal and reservoir construction, electric plant and transmission lines. Surveys, estimates, designs, etc., have been completed, and rights of way have been secured. C. C. Cokefair, Gen Mgr.; Francis A. Cokefair, Engr., 313 Providence Bldg.

COFFEYVILLE, KAN.—The council has passed a resolution calling for a special election to vote on the question of issuing $20,000 in bonds for erecting a municipal plant.

GRAND ISLAND, NEB.—The council is said to have recommended the erection of a municipal plant.

NORTH PLATTE, NEB.—The council is considering the question of erecting a plant, according to reports.

PONCA, NEB.—Reports state that this city will erect a plant this season.

WAYNE, NEB.—At a special election, held June 7, this city voted to issue $12,500 in bonds for erecting a plant.

CHEYENNE, WYO.—The council has passed an ordinance granting a 25-year franchise to the Cheyenne Light, Fuel & Power Co.

OKLAHOMA CITY, OKLA. TER.—A special election will, it is said, soon be called to vote on the question of issuing $30,000 in bonds for erecting a plant.

LOVELAND, COLO.—The town board has approved plans for a plant to contain one 400 light dynamo, two 40-H.P. boilers and two 30-H.P. engines.

SALEM, ORE.—We are informed that the Salem Light, Heat & Power Co. will erect a plant, to cost about $40,000. The first unit will be put in this year, and will consist of a 150-K-W. 3,450-volt, 60-cycle, 3-phase alternator, compound condensing engine, water tube boiler to burn sawdust and an economizer. Condensers will be used only in summer, in winter steam will be sold for heating purposes within one-third of a mile of power house. Five units will be installed. F. R. Anson, Engr.

NEW COMPANIES.—Bay Counties Power Co., San Francisco, Cal.; $5,000,000, subscribed $70,000; C. A. Grow, R. M. Hotaling.

Hammond Gas & Electric Co., Peoria, Ill.; $100,000; H. W. McCoy, G. B. Frank, W. Barker.

Red Bluff Electric Power Co., Red Bluff, Cal.; $250,000; D. S. Cone, C. F. Foster, E. H. Ward.

Pacific Water & Power Co., San Jose, Cal.; $800,000; E. J. Sherman, Hollister; C. Schofield, Campbell; R. T. Thwaits.

Excelsior Power Co., Los Angeles, Cal.; $150,000; C. A. Hooper, San Francisco; R. P. Winters, Riverside; F. L. Morgan, F. B. Crosier.

Sierra Power Co., Pomona, Cal.; $75,000; C. G. Baldwin, Claremont; J. A. Dole, B. S. Nichols.

Keswick Electric Light Co., San Francisco, Cal.; $50,000; H. C. Donnels, P. S. Coke, A. F. Johns.

Sagadahoc Light & Power Co., Portland, Me.; $200,000; G. F. West, Pres.; W. S. Bostworth, Treas.

Garrett Electric Light & Power Co., Carteret, N. J.; $20,000; W. K. Whitaker, Sewaren; J. A. Quinn.

Catawba Power Co., Rock Hill, S. C.; $100,000; Dr. G. Wylie, Pres., New York, N. Y.; F. C. Whitner.

Sayville Electric Co., Islip (L. I.), N. Y.; $15,000; D. D. White, I. H. Green, Jr., J. A. Navert, Sayville.

Standard Electric Light Co., Kansas City, Kan.; $25,000; L. E. James, Jas. Fennel, C. E. Holmes.

Citizens' Water & Power Co., Westminster, Md.; $40,000; E. O. Grimes, F. T. Shaw, John H. Cunningham.

Yates County Light & Power Co., Penn Yan; $300,000; C. L. Haskell, West New Brighton.

City Lighting Co., Peru, Ind.; $25,000; S. V. Perrott, H. C. Ulen, Jr., A. G. Perrott.

BRIDGES.

CALAIS, ME.—The question of building a bridge over the St. Croix River is being considered.

KEENE, N. H.—The contract for the abutments of the two new bridges has been let to the Wrought Iron Bridge Co., according to reports.

ST. ALBANS, VT.—The Central Vermont Ry. bridge over the Missisquoi River at Sheldon Junction has been destroyed by fire, according to reports. The structure was 459 ft. long, and cost about $15,000.

BOSTON, MASS.—The following bids were received by City Engineer Jackson on June 11 for rebuilding the Malden bridge over the Mystic River; William J. Lawler, $66,079 (accepted); William L. Miller, $73,839; T. E. Ruggles, $74,575.20; W. H. Ellis & Co., $89,300; George Hager & Co., $91,000; Joseph Ross, $91,200. The bridge will be 812 ft. long and from 60 to 67½ ft. wide. The contract calls for its completion on or before August 1, 1901.

HOLYOKE, MASS.—The following bids were received by James L. Tighe, Cy.Engr., for constructing bridges on Cabot St., as advertised in Engineering News: Metal bridge on Cabot St., Groton Bridge & Mfg. Co., $20,592; Boston Bridge Works (A) $20,956, (B) $17,686; King Bridge Co., $21,356; N. J. Steel & Iron Co., $17,778; New England Structural Co., $20,318. Masonry arches, Daniel O'Connell Sons, Holyoke, Mass., $28,210; G. L. Bosworth & Co., Holyoke, Mass., $29,500; Lynch Bros. Brick Co., Holyoke, Mass., $31,787; E. R. Cheney, Boston, Mass., $36,343. Informal bids, Z. H. Keepers & Co. (concrete steel bridge) plan A, $36,700, plan B, $33,500; Aberthaw Construction Co. (Ransome concrete steel system), $18,465; Berlin Iron Bridge Co., East Berlin, Conn., Melan arch, $35,642.

NEW HAVEN, CONN.—Bids are asked until June 22 for rebuilding and repairing a portion of the stone arch on Whalley Ave., near the Pond Lilly Co.'s works. C. W. Kelly, Cy. Engr.

ALBANY, N. Y.—The following bids were received by the board of contract and supply June 13 for cleaning and painting the Hawk St. viaduct: Martin V. Dolan, $4,930, $5,120, $4,690, according to the paint used; Morris Kantrowitz, $2,895; White & Ackerman, $1,375; Albany Contracting Company, $4,325; David T. Holland & Co., Troy, with sand blast, $13,870, without, $6,762.

AUBURN, N. Y.—The council has rejected the bids received for constructing the steel bridge over the Owasco River at Lizette St., and accepted the proposition of the Groton Bridge Co., to construct a single span steel bridge for $12,900, according to reports.

FREEPORT (L. I.), N. Y.—The town board will be asked to build a new bridge over Mullburn Creek, between this village and Baldwins, to replace the present structure.

FULTON, N. Y.—The following bids were received by the town board on June 12 for constructing piers and abutments for the new bridge: Hallorian & Bros., masonry, $11,300 (accepted); approaches, grading, $5,876. Joseph Connors, masonry, $10,518; approaches, $5,560; Kelley & Dillon, masonry, $10,650; approaches, $5,460. Walter Bradley Co., masonry, $10,452; approaches, $5,492. Seymour & Newkirk, approach, grading, $5,290 (accepted).

CAMDEN, N. J.—Bids are asked until June 29 for erecting a steel highway bridge over Coopers Creek, as stated in our advertising columns. The county board of freeholders has authorized the change of date from June 27. The plans and specifications may be seen at the office of Engineering News, 220 Broadway, New York. J. J. Albertson, County Engr.

PERTH AMBOY, N. J.—The county freeholders have decided to build a bridge over Woodbridge Creek, according to reports.

SEACAUCUS, N. J.—It is stated that the county board of freeholders voted June 13 to build a new bridge over the Hackensack River at this place, on the Paterson plank-road, to cost about $250,000.

LANCASTER, PA.—The contract for building an iron bridge over the Conewago Creek, between Lancaster and Harrisburg turnpike has been awarded to Nelson & Buchanan, Chambersburg, Pa., at $1,449.

PITTSBURG, PA.—Bids are asked until June 22 for constructing a bridge across Junction Hollow, from Wilmot St. to Schenley Park. Ed. M. Bigelow, Dir. Dept. Pub. Wks.

CUMBERLAND, MD.—The county commissioners have let the contract for the superstructure of a steel bridge at Barton to the Toledo Bridge Co., at $1,898.

WASHINGTON, D. C.—The district commissioners have appropriated $50,000 for continuing the construction of a bridge across Rock Creek, on the line of Massachusetts Ave.; $40,000 for the bridge over Rock Creek, on the line of Connecticut Ave., and $22,000 for a bridge over Rock Creek, on the line of the roadway from Quarry entrance.

CHRISTIANBURG, VA.—The county court has appropriated $26,000 for a bridge over the Cheat River, at Uneva.

BESSEMER, ALA.—It is stated that steps are being taken to build an iron bridge over Valley Creek, on the proposed extension of the county road.

MOBILE, ALA.—The Youngstown Bridge Co. has received a contract for a steel bridge with a 19-ft. draw, at Coden, at $3,336, according to reports.

WAYNESBORO, MISS.—The contracts for the Bunche's, the Chicora and the McRae's bridges, iron, have been awarded by the supervisors to the King Bridge Co., at $6,952, $8,900, and $4,250, respectively.

AKRON, O.—J. Payne, Cy. Engr., has estimated the cost of constructing the viaduct from College St. to Point Lookout landing, at $18,563.

CLEVELAND, O.—Plans for the proposed rolling lift-bridge to replace the present structure, known as the Middle Seneca St. bridge are being prepared. The structure will cost about $100,000.

HAMILTON, O.—The contract for the new iron bridge over the canal at Tytus Ave., Middletown, has been let to the Massillon Bridge Co., at $8,800.

PORTSMOUTH, O.—Bids are asked until July [illegible] for constructing the superstructure of an iron or steel bridge, 152 ft. 4 ins. long, and 14 ft. wide, to span the Little Scioto River at American Post Office, in Harrison township. M. H. Shumway, County Audr.

TOLEDO, O.—The Maumee Railway Bridge Co. has been incorporated with $10,000 capital stock to build a bridge across the Maumee River. H. E. King, Thos. Tracy, and Harry W. Lloyd are interested.——Petitions are being circulated for a new bridge north of the Cherry St. bridge, to be 2,500 ft. long, of which 1,250 ft. would be an earth fill 80 ft. wide.

ZANESVILLE, O.—The following bids were received by the county commissioners on June 14 for constructing a Y-bridge over the Muskingum River: Rarig Engineering Co., Columbus, concrete bridge, $55,000; Toledo Bridge Co., steel bridge,$99,000 and $139,870; Wabash Bridge Co., Wabash, Ind., steel, $98,646; Brackett Bridge Co., Cincinnati, $119,000; Pittsburg Bridge Co., Pittsburg, (A Plan) 1-A $137,000, 1-B $119,000, 1-C $90,000, 1-D $7[illegible], 1-E $60,000, 2-A $166,000, 2-B $166,000, 3-A $21[illegible], 3-B $216,000, 4-A $214,400, 4-B $214,400, 4-C $190,[illegible], 5-A $206,000, 5-B $211,000, 5-C $200,000, 6-A $150,000. Wright Iron Bridge Co., Canton, A $138,600, B $141,060, C $129,900, D $135,000, E $199,000, F $200,000, (A, B, C and D call for steel bridges, the others for concrete); Adams Bros. & Co., Zanesville, concrete, $169,850; Thos. O'Herne and Ed. Berrigan, Yonkers, Melan arch, concrete and steel combined, $190,000; A. & P. Roberts Co., Pencoyd, Pa., A-1 $204,000, A-2 $168,000, A-3 $204,000, A-4 $168,000, B-1 $205,000, B-2 $175,000, B-3 $205,000, B-4 $175,000, C-1 $198,000, C-2 $170,000, for steel only; New Columbus Bridge Co., Columbus, A $154,000, B $153,400, C $[illegible],000, D $234,000; Stamson & Bloom, Chicago, concrete [illegible] $190,000, B $232,000; Williams Bros. & Morse, Cleveland, concrete, $215,000; Berlin Iron Bridge Co., East Berlin, Conn., A $188,000, B $199,964; King Bridge Co., Cleveland,$171,000, $169,800, $166,900, $154,704, $159,000, $146,173, $170,500, $159,363, $161,461, $172,500, $166,363, $167,451, $179,000, $184,000.

TERRE HAUTE, IND.—It is stated that an agreement has been reached between the city, the Evansville & Terre Haute and the Southern Indiana Ry. companies, on the question of building a viaduct across Ohio St., to cost $50,000.

VINCENNES, IND.—Bids are asked by the county commissioners until Aug. 7 for constructing three iron bridges with stone abutments.

URBANA, ILL.—Bids are asked by the county clerk until June 26 for constructing four highway bridges, for which plans and specifications may be seen at the office of the Engineering News Publishing Co., 220 Broadway, New York. Ira O. Baker, Champaign, Ill.

MILWAUKEE, WIS.—Local papers state that plans and specifications for the new Grand Ave. bridge have been completed and that bids will be called for in a few days.

CEDAR RAPIDS, IA.—It is reported that the board of supervisors has let a contract for building 23 new county bridges, to J. E. Jaynes, Iowa City.

SIOUX FALLS, S. DAK.—Bids are asked until July 3 for erecting a 68-ft. bridge over Skunk Creek. Henry W. Smith, Auditor.

CHEYENNE, WYO.—The following bids were received June 11, by the state board of charities and reform, for constructing a bridge across the Big Horn River, near the Big Horn Hot Springs in Fremont county; the work was advertised in Engineering News: Pueblo Bridge Co., Pueblo, Colo. (accepted). $9,990; Canton, (O.) Bridge Co., $10,250; A. M. Blodgett, Kansas City, Kan., $10,400; Wrought Iron Bridge Co., Canton, O., $10,450; Gillette-Herzog Mfg. Co., Denver, Colo., $10,500; J. R. Sheely & Co., Lincoln, Neb., $10,750; C. E. H. Campbell, Council Bluffs, Ia., $10,600; Midland Bridge Co., Kansas City, Mo., $10,800.

GLENDIVE, MONT.—Bids are asked until July 13 for constructing the superstructure for a bridge over the Yellowstone River at Glendive, to have three new spans, 308 ft. 6 ins. long, as stated in our advertising columns. Jas. McCormick, Clk.

KARNES CITY, TEX.—The attorney-general has approved of the issuance of $1,900 in bridge repair bonds, and $6,000 bridge bonds.

EUGENE, ORE.—The county court has awarded the contract for bridge across the McKenzie River, at Hendricks Ferry, to L. N. Roney, at $10,000. The structure will be of wood.

THREE RIVERS, ONT.—Bids are asked until June 25 for the masonry, the iron superstructure, etc., for a bridge over the St. Maurice River, in this city. L. T. Desaulniers, Secy.-Treas.

BUILDINGS.

CAPE ELIZABETH, ME.—Bids are asked until June 21 by the building committee for erecting a new town hall.

DOVER, ME.—The county commissioners are considering plans for erecting a new jail building, to cost about $20,000.

ASHBY, MASS.—It is stated that Edwin Chapman, of Boston, will erect a public library building here, to cost about $30,000.

BOSTON, MASS.—Bids are asked until June 25 for erecting a primary school building on Bartlett St. Wm. F. Merritt, Chn. Com.

FOXBORO, MASS.—A. T. Stackley, Clk., writes us that no steps have yet been taken toward rebuilding the burned town hall and school house.

MILTON, MASS.—Bids are asked until June 23 for erecting an addition to the Thatcher school. D. P. Doane, Supt. Schools, Mattapan.

PLYMOUTH, MASS.—Bids are asked until June 20 for constructing a life saving station on Manomet Point. Horace L. Piper, Acting Gen. Supt., Life Saving Service, Treasury Dept., Washington, D. C.

WINCHESTER, MASS.—The committee has decided to erect a new brick school building in the Wadleigh district, to cost about $36,000.

ALBANY, N. Y.—Bids are asked by the board of contract until June 25 for repairs, etc., to several school houses.

AUBURN, N. Y.—Reports state that the board of education has rejected all bids for constructing the proposed new school house on Fulton St., as they were above the appropriation of $50,000.

BROOKLYN, N. Y.—Frank S. Rowe, 186 Remsen St., is said to have prepared plans for a 6-story brick apartment house at Pierrepont and Hicks Sts., to cost about $250,000, for Louis J. Harowitz.

BUFFALO, N. Y.—H. B. Stearns, of New York, will, it is said, erect a 6-story apartment house at Main and High Sts., to cost about $150,000.

NEW YORK, N. Y.—Bids are asked until June 27 for alterations to a pavilion at the Willard Parker Hospital. M. C. Murphy, Pres., Department of Health, 55th St. and 5th Ave.—The following bids were received June 11, by

the department of docks, Pier A, N. R., for erecting an inshore extension to the building on Pier A, etc.: N. W. Ryan, $17,800; Jas. Harney, 513 W. 52d St., class A., $16,500; class B., $10,200; Charles Wille, 223 E. 125th St., class A., $5,500, class B, $6,200; Bernard Rolf, 39 Cortlandt St., class A. $13,633, class B, $11,000.——It is stated that Shepard, Knapp & Co., will erect a 6-story brick loft building, 40 × 85 ft., at 105 and 107 West 13th St., to cost about $80,000; Geo. H. Van Auken, Arch., 30 East 14th St.

NEW YORK, N. Y.—We are informed that no contracts have yet been let for erecting the four 5-story brick flats, 25 × 84 ft., at 91st St. near Second Ave., for Franz J. Schnugg, 1 East 99th St., to cost about $72,000; Geo. Entzer, Arch., 78 East 96th St.——Geo F. Pelham, 503 Fifth Ave., writes us that the new 7-story semi-fireproof apartment house, 50 × 120 ft., to be erected at Lenox Ave. and 116th St., by Rothschild & Kallman, 100 East 81st St., to cost about $205,000, will be equipped with electric lights and elevators and steam heat. No contracts have been let.——The board of trustees of the Presbyterian Hospital has received a donation of $200,000 for a new building to be erected at 71st St. and Park Ave.——Reports state that the Railroad Department of the Y. M. C. A. will erect a new building at 150th St. and Spencer Place, to cost about $35,000.

NEW YORK, N. Y.—Plans have been filed by Mrs. Wm. E. Iselin, for alterations to the dwelling, Fifth Ave. and 57th St., to cost about $45,000; Clinton & Russell, Archs., 32 Nassau St. By Fred. Habermann, for a 10-story apartment house at 61st St. and Madison Ave., to cost about $600,000; Horgan & Slattery, Archs., 1 Madison Ave. By Shepard, Knapp & Co., for a 6-story brick loft building at 105 and 107 West 13th St., to cost about $80,000; Geo. H. Van Auken, Arch., 30 East 14th St. By Lasar Wallenstein, for a 6-story brick tenement at 125 and 127 Sullivan St., to cost about $40,000; M. Bernstein, Arch., 245 Broadway. By Samuel Borowsky, for a 6-story brick tenement at Henry and Gouverneur Sts., to cost about $40,000; M. Bernstein, Arch. By the Atlantic Mutual Insurance Co., 49 Wall St., for an 18-story stone office building, 58 × 143 ft., at William and Wall Sts., to cost about $850,000; Clinton & Russell, Archs., 32 Nassau St. By W. Reid, Sr., 132 West 112th St., for a 10-story hotel at 56 West 47th St., to cost about $230,000; Buchman & Fox, Archs., 11 West 59th St.

NEW YORK, N. Y.—Bids are asked by the department of education, 59th St. and Park Ave., until June 25 for erecting a new building for the girls' high school.

NORTH TONAWANDA, N. Y.—The following bids were received by the board of education for erecting the new high school building: Carpenter work, Wm. Heinrich Sons, 193 Spring St., Buffalo, $47,587; John Feist, 115 Ash St., Buffalo, $47,997; Stokes Bros., Mooney Bldg., Buffalo, $42,830. Masonry work, John Dannen, 667 Oak St., Buffalo, $33,000; C. A. Rupp, 47 East Utica St., Buffalo, $44,993; W. J. S. Condricks, Niagara Falls, $42,900. Plumbing, Hardwick & Co., 40 Fall St., Niagara Falls, $2,995; Barod & Geiger, 11 East Mohawk St., Buffalo, $3,700; Wm. Allen, North Tonawanda, bid $48,520 for the carpenter work, electric wiring and plumbing; Thompson, Hubman & Fisher, North Tonawanda, bid $107,517 for the entire building, and A. Harrison, Tonawanda bid $91,350 for the entire building. All bids were rejected, being too high, as only about $75,000 is available for the work.

ROCHESTER, N. Y.—The special committee, appointed to investigate the almshouse matter, is said to have recommended the construction of an extension to the present building, to cost about $50,000.

SYRACUSE, N. Y.—Lyman C. Day will give the University of Syracuse a new engineering building, to cost between $500,000 and $750,000. Jas. R. Day, Chancellor.

BRADFORD, PA.—Bids are asked by the public library commission until June 30 for erecting the new Carnegie library building.

GREENSBURG, PA.—The bar association is said to have presented a petition, asking for the erection of a new court house.

NEW BRIGHTON, PA.—Bids are asked until July 9 for erecting (except heating apparatus, electric wiring and conduits) the U. S. Building. Jas. K. Taylor, Supv. Arch., Treasury Dept., Washington, D. C.

PHILADELPHIA, PA.—The contract for erecting the new college building for St. Vincent's Seminary, Germantown, has been let to Wm. R. Dougherty, 1604 Sansom St., at about $27,000, exclusive of heating and plumbing. Baldwin & Pennington, 44 South Baltimore St., Baltimore, Md.

PITTSBURG, PA.—Chas. Bickel, 524 Penn. Ave., is said to be receiving bids for the erection of a 12-story office building at Diamond and Grant Sts., to cost about $300,000, for M. F. Maloney.——Rutan & Russell, 1011 Tradesmen's Bldg., are preparing plans for a 16-story office building at Sixth Ave. and Cherry Alley, 120 × 240 ft., for Geo. H. Schickler, to cost about $1,200,000.

RANKIN, PA.—This city has voted to issue $60,000 in bonds for erecting a new school house.

SEWICKLEY, PA.—Reports state that the Allegheny Country Club will erect a new club house here, to cost about $45,000. Harry Darlington, Pres.; O. D. Thompson, Secy.

TARENTUM, PA.—Capt. J. B. Ford is said to have given $50,000 to the Y. M. C. A. for erecting a new building.

NORTH POINT, MD.—The contract for erecting 16 buildings at Fort Howard has been let to James H. Coster, 615 North Casey St., Baltimore, at about $131,000, exclusive of heating and plumbing.

WASHINGTON, D. C.—Bids are asked by James K. Taylor, Supv. Arch., until June 27, for repairs to the heating apparatus, etc., in the Treasury and Winden buildings; until July 2 for new boilers in the treasury building and until July 2 for constructing (except heating apparatus, electric wiring and conduits) the northwest extension of the bureau of engraving and printing.

WASHINGTON, D. C.—Bids are asked until July 18 for furnishing a quantity of cut stone, bricks, cement, etc., and also a quantity of electrical supplies, as stated in our advertising columns. Lieut. John S. Sewell, U. S. Engr., 705 N. Capitol St.

NORFOLK, VA.—Bids are asked until July 7 for erecting a brick and steel storehouse for torpedoes, 270 × 60 ft., at the navy yard. M. T. Endicott, Ch. Bureau Yards and Docks, Navy Dept., Washington, D. C.

HUNTINGTON, W. VA.—The senate has appropriated $75,000 for a government building to be erected here.

DURHAM, N. C.—It is stated that J. B. Duke, Pres. of the American Tobacco Co., will give Trinity College a new library building.

AUGUSTA, GA.—The contract for erecting the Montgomery Bldg. is said to have been let to the Woodward Construction Co.——Lewis F. Goodrich, 115 Eighth St., is said to have prepared plans for a new school house in Woodlawn, to cost about $30,000; also for a new armory here and a new court house at Reidsville, Ga.

BRISTOL, TENN.—Bids are asked until July 9 for installing a heating and ventilating apparatus in the U. S. building. Jas. K. Taylor, Supv. Arch., Treasury Dept., Washington, D. C.

JACKSON, TENN.—Mayor Anderson has recommended the erection of a new city hall building with a seating capacity of 3,000.

LOUISVILLE, KY.—The Fourth Ave. M. E. Church will erect a 1-story brick addition to its present building, to cost about $50,000.

BELLEFONTAINE, O.—Bids are asked until July 7 for erecting a new brick school house for Stokes township. J. F. Heffner, Clk. Bd. Education.

CHILLICOTHE, O.—Bids are asked until July 5 for erecting a new high school building. Yost & Packard, Archs., Y. M. C. A. Bldg., Columbus.

CINCINNATI, O.—Reports state that St. Joseph's Parish, Linn and Laurel Sts., will erect a school house, to cost about $50,000, and a priest's house, to cost $20,000. Rev. Wm. Scholl, Pastor.

CLEVELAND, O.—C. F. Schweinfurth, 1204 New England Bldg., is said to be preparing plans for a chapel for the Western Reserve University, to cost about $50,000.

CLEVELAND, O.—Bids are asked until July 9 for erecting (except boilers and gas fixtures) the boiler house and stack for the marine hospital. Jas. K. Taylor, Supv. Arch., Treasury Dept., Washington, D. C.

COLUMBUS, O.—Bids are asked until July 3 for erecting a school house for Clinton Township. David Riebel, Arch., 328½ S. High St.

FINDLAY, O.—Bids are asked until June 30 for erecting a new building for St. John's German Evangelical Lutheran Church. Rev. G. W. Dressler, Secy. Bldg. Com.

MOORLAND, O.—Bids are asked until June 27 for erecting a new school house for Franklin township. E. F. Wirt, Clk. Bd. Education.

WEST LIBERTY, O.—Bids are asked, according to reports, until July 11 for erecting a school house. C. H. Neel, Clk. Bd. Education.

YOUNGSTOWN, O.—W. S. Lougee, 204 Superior St., Cleveland, is said to be preparing plans for a new theatre to cost about $100,000.

VINCENNES, IND.—Bids are asked until August 7 for installing a heating plant in the Knox County Infirmary. Jas. D. Williams, County Audr.

AGRICULTURAL COLLEGE, MICH.—Bids are asked until July 3 for erecting two buildings at the Upper Peninsular experiment station. A. G. Bird, Secy. State Bd. Agriculture.

ITHACA, MICH.—The board of supervisors has accepted the plans of Claire Allen, Jackson, for a new court house, to cost about $40,000.

KALAMAZOO, MICH.—Reports state that the Kalamazoo Hotel Co. will erect a new hotel building, 78 × 192 ft., to cost about $105,000.

BLOOMINGTON, ILL.—A number of business buildings and the court house were recently destroyed by fire, loss about $200,000.

CHICAGO, ILL.—D. E. Postle, 204 Dearborn St., is said to have prepared plans for a 6-story building, 45 × 187 ft., at 130 West Washington St., for Geo. Beidler, to cost about $50,000.

QUINCY, ILL.—It is stated that the directors of St. Mary's Hospital have decided to erect an addition, to cost about $40,000.

TAYLORVILLE, ILL.—The question of erecting a court house, to cost about $75,000, is being discussed, according to reports.

GREEN BAY, WIS.—The senate has appropriated $150,000 for erecting a government building.

DES MOINES, IA.—It is stated that ex-Gov. Drake has given Drake University $500,000 which will probably be used in erecting new buildings.

BEMIDJI, MINN.—The county commissioners have decided to erect a new court house, to cost about $30,000.

MINNEAPOLIS, MINN.—Plans have been filed by the Minneapolis General Electric Co. for a 3-story brick building, at 15-17 South Fifth St., to cost about $50,000. W. A. Barbes, Pres.——The court house commission has filed plans for the completion of two floors of the city side of the new court house, to cost about $750,000.

NEW RICHLAND, MINN.—Bids are asked until July 7 for erecting a new brick school building. J. F. Hunt, Clk.

PIPESTONE, MINN.—Bids are asked until June 23 for altering the heating system at the Pipestone Indian School. De Witt S. Harris, Supt.

LARAMIE, WYO.—The senate has appropriated $100,000 for erecting a U. S. building here.

ST. LOUIS, MO.—Bids are asked until June 26 for installing boiler and piping in the custom house. Jas. K. Taylor, Supv. Arch., Treasury Dept., Washington, D. C.——Bids are asked until June 28 for alterations to the heating and ventilating apparatus in the custom house. Jas. K. Taylor, Supv. Arch., Treasury Dept., Washington, D. C.

ST. LOUIS, MO.—The following bids are said to have been received June 12 by J. K. Taylor, Supv. Arch., Treasury Dept., Washington, for electric wiring in the U. S. building: The Sellner Gas & Electric Fixture Mfg. Co., 703 Locust St., St. Louis, $13,665; Southern Engineering Co., St. Louis, $14,487; Arthur Frantzgen Co., Chicago, $10,990; Western Electric Co., Chicago, $9,553 (accepted); The Eclipse Electrical Co., St. Louis, $17,773; F. E. Newbery & Co., St. Louis, $12,960; J. F. Buchanan & Co., Philadelphia, Pa., $9,888; National Electrical Supply Co., Washington, $13,713.

GALVESTON, TEX.—The contract for erecting the barracks, etc., at Camp Hawley is said to have been let to Harry Devlin, 30th St. and Ave. H., at $59,350, and for the plumbing work, to the Galveston Gas & Plumbing Co., 2013 Ave. E, at $6,252.

DENVER, COLO.—We are informed that F. E. Edbrooke, 512 Tabor Opera House Bldg., will prepare plans for altering the Hotel Majestic into an 8-story fireproof building, with all improvements. Majestic Ind. Co., Owners.

SEATTLE, WASH.—A special election will be held July 2 to vote on the question of issuing $200,000 in bonds for completing the high school building.

LOS ANGELES, CAL.—H. B. Cass, W. C. Patterson and W. C. Cline are on the special building committee of the Chamber of Commerce to secure a site, plans, etc., for a building, to cost between $50,000 and $100,000.

OAKLAND, CAL.—The library trustees have accepted the plans of Bliss & Faville, 1208 Claus Spreckle's Bldg., San Francisco, for the new library building, to cost about $47,000. Bids will be received until June 30.

SANTA BARBARA, CAL.—Reports state that the trustees will ask for an issue of $70,000 in bonds for erecting a new school house. Plans will be received until July 28.

SUSANVILLE, CAL.—Bids are asked until June 30 for constructing an addition to the county jail. Geo. L. Tomb, County Clk.

WATER-WORKS.

SOMERSWORTH, N. H.—The extension of the waterworks system to New Dam this season is being considered.

SPRINGFIELD, MASS.—The legislative committee on water supply has referred the Springfield water bill to the next session of the general court, and it is said that filtration experiments will likely take place at the Ludlow reservoir.

CENTRAL FALLS, R. I.—The city has asked for a renewal of the present contract with Pawtucket for supplying water for ten years. The fire district of North Providence is also desirous of securing a water supply from the Pawtucket works. The works will have to be improved.

CHESTER, CONN.—Moses Joy, Pres. Guilford & Clifton Water Supply Co., Milford, Conn., has submitted a proposition to furnish this place and Deep River with water. The only condition being asked is that the old franchise for a water supply, which is held by Chas. L. Griswold, of Chester, be surrendered.

HARTFORD, CONN.—The park board proposes to build a dam and reservoir for a water supply for the Corning Fountain, etc.

DUNKIRK, N. Y.—Bids are asked until July 2 for furnishing the materials and for constructing a submerged crib in Lake Erie, about 5,000 ft., in rock trench or tunnel, as stated in our advertising columns. J. D. Cook, Engr., Toledo, O.; Jas. Madigan, Secy.

LANSINGBURG, N. Y.—The water board has decided to extend several mains in this town.

LANSINGBURG, N. Y.—Bids are asked until July 5 for the purchase of $25,000 of water bonds. It is said that the water board has decided to extend several mains. Wm. M. Lea, Treas.

RENSSELAER, N. Y.—Knight & Hopkins, of Rome, N. Y., have submitted their report for an improved water supply for this place. Four sources of supply are recommended, each to be by gravity. The Castleton Water Works Co., W. F. Inman, Mgr., has submitted a proposition. Aldermen Harry Bates and Jas. Henderson, and Jas. I. Miles, Mayor, are on the committee.

SHERBURNE, N. Y.—It is reported that Alex. T. Gibson, Engr., West Winfield, has contracted for a works for this place.

SHORTSVILLE, N. Y.—The committee in charge of the water-works question expects to report some definite plan at an early date.

TROY, N. Y.—Surveys are now being made for the proposed new works, the sources of the new supply to be from streams east and north of the city. It has not been decided whether any construction will be done this year. E. R. Cary, Cy. Engr.

WALDEN, N. Y.—Louis L. Tribus, 84 Warren St., New York, has been retained as consulting engineer in charge of extending and remodeling the works. It will be some time before bids can be called. Mr. Tribus is the engineer for the works at Chatham, N. J., and not C. P. Bassett, as incorrectly reported last week.

FRENCHTOWN, N. J.—A franchise for works has been granted to the Frenchtown Water Co., composed of Camden parties. Population, 1,200. Merritt W. Pharo, 328 Chestnut st., Philadelphia, Pa., is interested. S. O. Eldy, Mayor.

MILLVILLE, N. J.—A proposition has been made by Geo. Pfeiffer & Son, Camden, to the council to build a new works, and giving the city the privilege of buying it.

ORANGE, N. J.—The water and street committees have been petitioned for water mains in Mosswood and Heywood Aves., and for the macadamizing of the streets.

SUMMIT, N. J.—The Glenside Water Co. has been incorporated, with a capital of $100,000, by C. P. Bassett, Civil Engr., Summit, N. J., and Chandler W. Riker, of Newark.

DUBOIS, PA.—The council has ordered the sinking of two new wells at once for an increased water supply.

KECKSBURG, PA.—D. L. Newill and J. M. Keck, of Kecksburg, are reported as interested in a project to supply water to places between this place and Carpentertown; estimated cost, $10,000.

NEW CASTLE, DEL.—This city is considering the question of erecting a plant. The contract with the present company expires July 2.

FROSTBURG, MD.—This place defeated the proposition for works on June 2 by a large majority. J. S. Metzger, Clk.

ST. MICHAELS, MD.—Bids are asked until July 2 for constructing works, as stated in our advertising columns. An electric plant will be added later to the works. Chas S. York, Engr., 1526 East Biddle St., Baltimore; G. K. Benson, Clk.

WASHINGTON, D. C.—Bids are asked by the district commissioners until July 7 for furnishing 18,000 ft. of 3, 4 and 12-in. cast-iron water pipe, as stated in our advertising columns.——The Secretary of War has made a contract with the Bacon Air Lift Co., 100 Broadway, New York, to furnish and install two air lift pumps for the aqueduct tunnel. These pumps art to have a capacity of 2,000,000 gallons in 20 hours. One will be at the Champlain Ave. shaft with a lift of 130 ft. and a discharge of 1,750 gallons per minute, the other will be at the east shaft with the same capacity and a lift of 164 ft. At the Rock Creek shaft a centrifugal pump will be employed with a lift of 45½ ft. and a discharge of 4,000 gallons per minute.

HAMPTON, VA.—Reports state that a Philadelphia syndicate has purchased water rights to the Newmarket River, and will build works at once.

ROWLESBURG, W. VA.—We are informed that this city is not in the market for works at present.

ELIZABETH CITY, N. C.—The Elizabeth City Water Co. has been incorporated, with a capital stock of $25,000.

NEWBERN, N. C.—Bids are asked by the City Clerk until June 25 for the purchase of $80,000 of 4% 30-year bonds for buying the water works, sewers, etc.

CHARLESTON, S. C.—The committee has submitted its report on the proposed new works. It is recommended that a franchise be granted for ten years, the city to pay a rental of $30,000 a year, and at the end of the term the plant is to become the property of the city. The water supply will be secured from the Edisto River.

GREENVILLE, S. C.—The city proposes to buy the works owned by the American Pipe Co., according to reports.

JACKSONVILLE, FLA.—It is proposed to sink a new 10-in. artesian well at once for an increased water supply. Trustees Foster, Chn.; A. W. Cockrell, Jr., and B. H. Barnett, compose the committee.

BIRMINGHAM, ALA.—The council is said to be considering the question of reletting the contract to the Birmingham Water-Works Co.

RUSTON, LA.—This place voted, June 12, to issue $25,000 in bonds for water works and an electric plant. John W. Jones, Mayor, wishes to correspond with contractors and manufacturers regarding the work.

PORT GIBSON, MISS.—This place has voted to issue $12,000 in 20-year bonds for enlarging the works, and the bids for the bonds are wanted July 16. J. H. Fewell, Engr., Port Gibson; E. J. Smith, Clk.

LEWISBURG, TENN.—The question of building works is reported as being considered. S. D. Davis, W. M. Carter and Otto McGahey are on the committee to investigate the cost, etc.

ELYRIA, O.—This city has voted to issue bonds for extending the works, the new water supply to be secured from Lake Erie. No contracts for material or work will be made until the bonds are sold. W. H. Park, Clk.

FREMONT, O.—Reports state that this city will build a dam across the Sandusky River.

TOLEDO, O.—The water-works trustees have decided to extend the mains on Detroit Ave.

WYOMING, O.—Bids are asked until July 11 for furnishing and erecting a 1,500,000 gallon pumping engine, with pipe, valves, etc., as noted in our issue of May 17. Address L. W. Mathewson, 4222 Chambers St., Station A, Cincinnati, or W. A. Clark, Supt.

PINEVILLE, KY.—The works are reported to have been sold to Eastern parties for $4,000, and the new owners intend to spend about $20,000 in improving the works.

MARSHALL, IND.—The council is reported as considering propositions for furnishing a water supply and erecting an electric plant.

ALGONAC, MICH.—This place has voted to issue $20,000 in bonds for works and an electric plant.

BELDING, MICH.—It is not known when the works will be built, as the present contract does not expire until 1906. The town proposes to spend $10,000 in improving water-works park. Waldo Francisco, Mayor.

ESCANABA, MICH.—The question of putting in new mains, and a more powerful pump is being considered by the council.

MANISTEE, MICH.—The council has voted to issue $10,000 in bonds for extending the works. There will probably be about 30 hydrants and a half mile or more of new pipe. E. W. Muenscher, Cy. Engr.; S. Cahill, Supt.

PONTIAC, MICH.—H. C. Monroe has submitted estimates for the proposed works, to cost about $50,000. Address Mayor Maloy and Aldermen Buckley, Harrison and Dickinson.

ALTON, ILL.—Press reports state that T. A. Taylor, Supt., has been appointed by the Circuit Court as receiver for property here of the New England Water-Works Co., upon the petition of the United Wated Co. As noted in our issue of May 10, this city has retained Hiram Phillips, Lincoln Trust Bldg., St. Louis, Mo., as consulting engineer in connection with the proposed municipal works.

ROBINSON, ILL.—Plans and specifications for the proposed works, to cost $30,000, will be submitted at once. The works will consist of one or two deep well pumps, a 60,000-gallon reservoir, a stand-pipe or elevated tank, about five miles of mains, 50 hydrants, etc. F. W. Lewis, Mayor.

ROCK ISLAND, ILL.—Bids will soon be wanted for furnishing a 1,500,000-gallon pumping engine, according to reports.

SHEBOYGAN, WIS.—The committee has reported in favor of purchasing the works. The council has voted to engage J. B. Hinn, of Madison, Wis., and D. W. Mead, First National Bank Bldg., Chicago, to make a valuation of the works.

CASS LAKE, MINN.—It is stated that this town is anxious to grant a franchise for works and an electric plant.

LINDSTROM, MINN.—The proposed works will include 1,500 ft. of 8-in. pipe, elevated tank wells, 1,000 ft. of hose, engines, etc.; estimated cost $5,500. E. A. Elder, Engr., St. Paul, Minn.; W. F. Powe, Village Recdr.

ST. PAUL, MINN.—Bids are asked until July 9 for furnishing the materials and for constructing the structure to suspend a 16-in. cast-iron water pipe under the roadway of the Wabasha St. bridge, as stated in our advertising columns. Plans and specifications may be seen at the office of Engineering News, 220 Broadway, New York. John Caulfield, Secy. Water Comrs.

WEST CONCORD, MINN.—Plans for works are reported as being prepared.

INDEPENDENCE, KAN.—This place has voted not to purchase the works for $40,000.

BANCROFT, NEB.—The question of extending the works is being discussed, according to reports.

SIDNEY, NEB.—It is stated that this city will soon let contracts for erecting a plant.

LESTERVILLE, S. DAK.—This place is reported to have voted to issue $2,500 in bonds to complete the works.

SISSETON, S. DAK.—This place will vote June 25 on the question of issuing $15,000 in bonds for works.

HELENA, MONT.—Bids are asked by the water committee of the council until June 25 for a water supply and for constructing works.

OKLAHOMA CITY, OKLA. TER.—The Oklahoma Water Works Co. has offered to sell its works to the city for $85,000. Improvements to the works will have to be made. This proposal, and a proposal to build a city hall to cost $30,000, and a sewerage system to cost $22,500, will all be submitted to the voters in 30 days for their approval.

DENVER, COLO.—Bids are asked until June 30 for the purchase of $4,700,000 of 4% bonds, the proceeds to be used for either constructing or purchasing gravity works. J. W. Shackelford, Pres. Bd. Pub. Wks.

SACRAMENTO, CAL.—The committee on American River supply, J. H. Arnold, Chn., has submitted its report on the cost for a water supply from the American River, which is estimated at about $1,000,000. There would be required 20 miles of 36-in. wrought iron pipe, filters, a bridge across American River, etc. The supply will be furnished by gravity. L. Tozer, Chn. Citizens Water Investigation Com.

WEAVERVILLE, CAL.—Bids are asked until July 10 for furnishing and laying about 7,000 ft. of 5-in. iron water pipe. R. L. Carter, Clk. Bd. Supervisors.

HAWKESBURY, ONT.—Reports state that it is proposed to construct works and a sewerage system at an early date.

HINTONBURGH, ONT.—This place voted June 12 to issue $25,000 in bonds for laying about two miles of 6-in. pipe. Bids will probably soon be wanted. W. A. Mason, Village Clk.

BRANDON, MAN.—It is proposed to build a stand-pipe of 200,000 gallons capacity, according to reports. J. McDiarmid, Mayor; G. R. Coldwater, Chn. Com.

SEWERAGE.

BOSTON, MASS.—A resolution has been introduced into the council appropriating $75,000 for constructing sewers in Ward No. 2.

CAMBRIDGE, MASS.—The finance committee is said to be considering the question of appropriating $42,000 for sewer construction.

CONCORD, MASS.—This town recently voted to appropriate $10,000 for building new sewers.

HAVERHILL, MASS.—The council is reported to be considering the question of constructing a system for the Kenoza Lake watershed.

BRISTOL, R. I.—The contract for constructing sewers in several streets is said to have been let to Frank E. Shaw, 44 Custom House St., Providence, at about $30,000.

ALBANY, N. Y.—Bids are asked until June 25 for laying a sewer in and paving Morris St. Isidore Wachsman, Clk. Bd. Contract.

BUFFALO, N. Y.—Bids are asked until June 29 for constructing 24, 20 and 12-in. pipe sewers in Elk St. R. G. Parsons, Secy. Bd. Pub. Wks.

NEWBURGH, N. Y.—The board of public works has passed a resolution to construct sewers on Mill St. and Robinson Ave.

NEW YORK, N. Y.—Bids are asked by the department of sewers, 21 Park Row, until June 27, for constructing sewers in six streets in the Bronx.

OSWEGO, N. Y.—The council has passed resolutions providing for the construction of sewers in several streets. E. A. Cooke, Clk.

SAG HARBOR (L. I.), N. Y.—This place has voted to proceed with the construction of the sewers, at a cost of $21,000. F. H. Palmer, Chn. Com.

SCHENECTADY, N. Y.—Resolutions have been adopted by the sewer committee for constructing a sewer in Hulett St., and for extending the Brandywine Ave. sewer.

SYRACUSE, N. Y.—The council is said to have directed the city engineer to make surveys and prepare preliminary estimates, etc., for several brick sewers.

BRIDGETON, N. J.—Reports state that the Millville Sewer Co. will shortly apply to the council for a franchise to construct a system.

ELIZABETH, N. J.—The council is considering an ordinance providing for the construction of a trunk sewer in Walnut St., to cost about $14,000.

IRVINGTON, N. J.—It is stated that the council has been petitioned to build sewers in 22d St. and Maple and Clinton Aves.

CHESTER, PA.—The council has passed a resolution providing for the construction of sewers in Concord Ave. and 24th St. D. W. Jeferis, Mayor; F. W. Harrison, Cy. Clk.

CONNELLSVILLE, PA.—A special election will be held July 9 to vote on the question of issuing $75,000 in bonds for constructing new sewers.

DARBY, PA.—Reports state that Harris & Damon, Borough Engrs., will prepare estimates for sewers in Pine, Poplar and Main Sts. and Ridge Ave.

McKEESPORT, PA.—The sewer committee has let the contract for constructing the extension of the Irwin St. sewer to Keeling, Ridge & Co., Forbes & Miltenberger Sts., Philadelphia, Pa., at $12,455.

STEELTON, PA.—It is stated that Sewer Supt. Davies will build an 8-in. sewer in South Second St.

WILKESBARRE, PA.—The sewer committee has let the following contracts for sewer work in two divisions: First division, construction, D. M. Rosser, $3,685; pipe and fittings, Geo. McAlarmey, $3,949; second division, construction, Gibbons & Co., $4,965; pipe and fittings, Hutchins & Co., $1,211.

ATHENS, GA.—We are informed that the proposed extensions of the sanitary sewers, to cost about $30,000, will be done by the city under the direction of the city engineer. J. W. Barnett, Cy. Engr.

FLORENCE, ALA.—It is stated htat plans are being prepared for a sewerage system and that bids will be asked as soon as they are completed.

UNION CITY, TENN.—The board of aldermen is said to be considering the question of building a system.

CINCINNATI, O.—Bids are asked until June 22 for constructing a sewer in Wesley Ave. Robt. A. Allison, Pres. Bd. Pub. Service; G. F. Holmes, Clk.

CLEVELAND, O.—Reports state that it is the intention of this city to erect a purifying plant at Collinswood when the intercepting system is completed.

DAYTON, O.—The board of city affairs has recommended the construction of sewers in West Dayton and Edgemont, to cost about $126,300.

MASSILLON, O.—Bids are asked until June 26 for constructing storm water sewers in Elizabeth, Third and North Sts. O. C. Volmor, Clk. Bd. Sewer Comrs.

NAPOLEON, O.—Bids are asked until July 7 for furnishing the materials and for constructing about 8,000 ft. of pipe sewer. M. V. Fisher, Cy. Clk.

PORTSMOUTH, O.—Bids are asked until July 18 for constructing a sewer in and paving Eleventh St. E. K. Walsh, Cy. Clk.

SPRINGFIELD, O.—Ulrick & Williams have been awarded the contract for constructing a sewer in Clifton St., at $4,200, and in Clifton and Taylor Sts., at $1,338.

TOLEDO, O.—Reports state that the sewer committee is considering the question of laying out a new sewer district at East Broadway, and Starr, Dearborn and Kelsey Aves.

TOLEDO, O.—Bids are asked until July 2 for constructing pipe sewers in certain streets. J. E. Connell, Cy. Clk.

WARREN, O.—It is stated that the state board of health will order this city to erect a filtration plant.

CRAWFORDSVILLE, IND.—The council has decided to build a new system and will construct about three and a half miles at once.

ADRIAN, MICH.—The council has decided to construct sewers on Dennis and State Sts., according to reports.

FLINT, MICH.—The council is said to have decided to construct a sewer in Saginaw St., N.

HOLLAND, MICH.—The board of public works has prepared preliminary estimates of a system, to cost about $12,000. The council will probably approve the estimates and order the sewers constructed at once.

IRON MOUNTAIN, MICH.—Reports state that the council has decided to construct 8-in. sewers in Ludington and Hughett Sts.

LAKE LINDEN, MICH.—It is proposed to build a system to cost about $25,000.

YPSILANTI, MICH.—The council has decided to construct sewers in Emmit and East Cross Sts. and Forest Ave., according to reports.

BLOOMINGTON, ILL.—Bids are asked until June 21 for constructing pipe sewers in several streets. S. B. Thomas, Pres. Bd. Local Improvements.——The contract for constructing about a mile of sewers is said to have been let to Wolf, Maupin & Curdle, Alton, at $9,100.

TOMAHAWK, WIS.—The council is said to have accepted plans for constructing sewers in the principal streets.

DAVENPORT, IA.—We are informed that no money has as yet been appropriated for the East End sewer, and the matter is still in the hands of the committee. Thomas Murray, Cy. Engr.

MINNEAPOLIS, MINN.—The committee on sewers has adopted resolutions for constructing sewers in several streets.

ST. PAUL, MINN.—Bids are asked until June 25 for constructing about 150 ft. of 9-in. pipe sewers and one manhole in Woodward Ave. Wm. L. Ames, Pres. Bd.

SALINA, KAN.—The council has decided to extend the sewers in several streets, according to reports.

OMAHA, NEB.—Reports state that City Engineer Rosewater is preparing plans for draining a portion of North Omaha.

OAKLAND, CAL.—The council has passed a resolution of intention to construct sewers in several streets. C. F. Ott, Supt. of Streets.

PASADENA, CAL.—The trustees have passed a resolution of intention to construct sewers in Colorado and Walnut Sts. J. A. Buchanan, Supt. of Streets.

SANTA BARBARA, CAL.—The city engineer has been directed to prepare plans for a 6-in. sewer in Micheltorena St., and an 8-in. sewer in De la Vina and Cota Sts.

SAN LUIS OBISPO, CAL.—Bids are asked until June 25 for furnishing a quantity of sewer materi[illegible] and for constructing sewers in sevral streets. Geo. W. Robbins, Cy. Clk.

NELSON, B.C.—The council is said to have [illegible]ded to construct about 10,000 ft. of additions to its s[illegible]m.

GARBAGE DISPOSAL—STREET CLEANING

NEW HAVEN, CONN.—The board of health [illegible] considering the question of erecting a crematory, a[illegible]ding to reports.

ROCHESTER, N. Y.—The board of aldermen [illegible] passed resolutions providing for the sprinkling of a [illegible]mber of streets.

WATERLOO, N. Y.—The following bids hav[illegible]een received by the board of aldermen for the remov[illegible] of garbage, etc.: Daniel McCarthy, $2,200; Wm. K[illegible] $2,47[illegible] (accepted); John C. Christie, $2,600; Charl[illegible] Austin, $1,999.

LANCASTER, PA.—Bids are asked until June [illegible] by the sanitary committee of the councils, for erecting [illegible] crematory of 50 tons capacity. E. S. Smeltz, Cy. Cl[illegible]

YORK, PA.—The council is said to have [illegible]ed the resolution appropriating the money for erecting a crematory, a fire engine house and also for sev[illegible] other public improvements.

NEWPORT NEWS, VA.—The council has bee[illegible] authorized by the vote of the people to issue bonds for a crematory. W. L. Cooke, Cy. Clk.

JACKSON, MISS.—The council is considering the question of purchasing a plant to cost about $8,000. Neither of the bids submitted May 21 has yet been accepted.

AKRON, O.—The council is said to have passed an ordinance for sprinkling several streets. Chas. H. Isbell, Clk.

SALEM, O.—The council is considering the question of erecting a crematory, according to reports.

SHARON, O.—The special committee is said to have recommended the erection of a crematory, to cost about $3,000.

TOLEDO, O.—Reports state that the council will soon take up the question of erecting a crematory.

KALAMAZOO, MICH.—Health Officer F. J. Welsh is said to be investigating the possibility of erecting a plant. He estimates the cost at about $7,000.

CENTERVILLE, IA.—Reports state that a crematory will be erected here this season.

KANSAS CITY, MO.—Bids for handling the garbage, refuse, etc., were received June 20. C. E. Mallon, Secy. Bd. of Health.

SAN JOSE, CAL.—The council is considering the question of erecting a garbage crematory, according to reports.

STREETS AND ROADS

BANGOR, ME.—The council has appropriated $20,000 for highway work this season. The city engineer has been directed to advertise for bids for paving Main St.

SACO, ME.—Wm. J. Mayburv, Mayor, writes us that the question of macadamizing Elm and Main Sts. is still in the hands of the council. Nothing definite has yet been done.

MANCHESTER, N. H.—Reports state that the state boulevard commission will soon ask for bids for considerable road work. Frank Gay, Engr., 852 Elm St.

BOSTON, MASS.—Bids are asked by the Metropolitan Park Commission, 14 Beacon St., until June 25, for building the Fresh Pond Parkway. Wm. T. Preice, Engr.

PITTSFIELD, MASS.—Bids are asked until July 3 by the county commissioners for building and grading about 8,400 ft. of county road, as stated in our advertising columns.

BROOKLYN, CONN.—Bids are asked by the board of selectmen until June 23 for constructing a macadam road.

HARTFORD, CONN.—The contract for Albany Ave., Lewis, Spruce and Church Sts., with asphalt, has been let to the Southern New England Paving Co., 141 Trumbull St., at $19,277.

ALBANY, N. Y.—Bids are asked until June 25 by the board of contract and supply for paving and improving several streets. Isidore Wachsman, Clk.

DANSVILLE, N. Y.—The people recently voted at a special election to issue bonds for macadamizing Main St.

GENEVA, N. Y.—Bids are asked until June 28 for about 4,000 sq. yds. of brick pavement. E. Seybolt, Supt.

NEW YORK, N. Y.—Bids are asked the department of highways, 21 Park Row, until June 27, for paving a number of streets in Manhattan, Bronx and Brooklyn boroughs. Jas. P. Keating, Comr.

ROCHESTER, N. Y.—The council has ordered Central Ave. paved with Medina block, to cost about $31,000. Theodore S. Pulver, Cy. Clk.

SYRACUSE, N. Y.—The following bids have been received by the board of contract for paving East Genesee St. with asphalt: Asphaltina Constructoin Co., Clinton Block, $14,387; Empire Contracting Co., 112 East Jefferson St., $14,442; Syracuse Improvement Co., Warner Bldg., $13,534; Warren-Scharf Asphalt Paving Co., Nottingham Bldg., $14,107.

ASBURY PARK, N. J.—The contract for constructing a new stone road here has been let to J. R. Shanley, Trenton, at $15,280.

HOLMDEL, N. J.—The board of freeholders has appropriated $14,000 for a new stone road from this town to Marlboro. Bids will be asked at once.

MONTCLAIR, N. J.—The council has authorized an expenditure of $25,000 for macadam paving, repairs, etc.

NEWARK, N. J.—The street and water commissioners have decided to advertise for bids for paving Fillmore, Darcy and South 12th Sts. with asphalt.——The council has passed resolutions of intention to pave Hecker St. with asphalt and Morton St. with asphalt and granite blocks.——Ordinances have been passed for paving Stone St. and Myrtle Ave. with asphalt.

PATERSON, N. J.—Bids are asked until July 2 for constructing various road improvements. John Blauvelt, Chn. Road Com.

RIDGEFIELD, N. J.—Bids are asked until July 10 for improving Edgewater Ave. C. B. Wilson, Boro. Engr.

PITTSBURG, PA.—The council has passed ordinances providing for the paving, grading and improving of eight streets. F. J. Torrence, Pres. Select Council; Albert Koenig, Cy. Clk.

WILKES-BARRE, PA.—The contract for constructing the Hunlock's Creek and Shickshinny turnpike has been let to P. M. Gilligan, at $7,250.

BALTIMORE, MD.—A resolution has been introduced into the council to repave North Ave. with Belgian blocks to cost about $260,296.

WASHINGTON, D. C.—We are informed that Congress has appropriated $10,000 for grading and paving Columbia Road with asphalt or asphalt blocks. Bids will be

asked as soon as full title to the street has been secured under condemnation proceedings. C. B. Hunt, Computing Engr.

WASHINGTON, D. C.—Bids are asked by the district commissioners until July 7 for about 120,000 cu. yds. of grading on certain streets, as stated in our advertising columns.

NORFOLK, VA.—The council has passed a resolution appropriating $21,694 for paving Bute St. with asphalt.

AKRON, O.—The council has passed a resolution providing for the paving of Beck Ave. Chas. H. Isbell, Cy. Clk.

CANTON, O.—Bids are asked until June 29 for constructing about 3,000 sq. ft. of concrete pavement. P. W. Bogan, Cy. Clk.

CANTON, O.—Bids are asked for laying about 12,000 sq. yds. of brick paving on gravel foundation. Phil. H Welsh, Cy. Engr.; Louis N. Ley, Cy. Clk.

CARTHAGE, O.—Bids are asked until July 9 for improving portions of five streets. L. Hall, Village Clk.

CONNEAUT, O.—Bids are asked until July 18 for paving and improving Main St. with brick. W. F. Stanley Mayor; J. L. Risley, Clk.

COSHOCTON, O.—The following bids have been received by the council for paving Second St.: A. G. Pugh, Columbus, $15,267; Baldwin & Graham, Columbus, $14,646; J. N. Kissner, $12,726; Adams Bros., Muskegon Ave., Zanesville, $12,683 (accepted).

EAST LIVERPOOL, O.—The council has voted to improve Pennsylvania Ave. and Pleasant St. J. N. Hanley, Cy. Clk.

FINDLAY, O.—Bids are asked until July 26 for brick paving in West Main Cross St., as stated in our advertising columns. J. W. S. Reigle, Cy. Engr.; F. C. Ray, Clk.

FREMONT, O.—The council has adopted a resolution for paving East State St. this season, according to reports.

JACKSON, O.—Bids are asked until June 22 for constructing seven miles of county turnpike. O. P. Schellenger, County Auditor.

KENTON, O.—The council has decided to macadamize High St. The city engineer has prepared plans and specifications. J. P. Dungan, Cy. Clk.

PORTSMOUTH, O.—Bids are asked until July 18 for laying about 15,453 sq. yds. of brick paving and 5,596 ft. of curb on 11th St. E. K. Walsh, Cy. Clk.

RAVENNA, O.—The council has passed resolutions to improve Meridan and Oak Sts. and Cleveland Ave. S. J. Post, Village Clk.

TOLEDO, O.—Bids are asked until July 9 for paving and improving Forrer St. J. E. Connell, Cy. Clk.

WAPAKONETA, O.—The contract for paving the business portion of Auglaize St. with brick, has been let to Henry Gantz, Lima, at $13,731, and for asphalting the residence portion to the Ayres Asphalt Paving Co., Zanesville, at $25,413.

WAUSEON, O.—Bids are asked until July 2 for improving Leggett and Superior Sts. A. S. Bloomer, Cy. Clk.

ZANESVILLE, O.—Bids are asked until June 30 for paving Orchard St. with brick and for constructing sidewalks on Findlay St. C. N. Bainter, Cy. Clk.

SULLIVAN, IND.—The contract for constructing about 9½ miles of macadam county roads in Sullivan county has been let to P. Hipskind & Son, Wabash, at $22,900.

VALPARAISO, IND.—Bids are asked until July 7 for constructing roads in Boone township. M. J. Stinchfield, County Auditor.

ROCKFORD, ILL.—The council has passed ordinances to macadamize Grove and Mulberry Sts.

TAYLORVILLE, ILL.—Reports state that the council will pave the streets around the proposed new court house, to cost about $8,000.

MARINETTE, WIS.—Reports state that this city will soon sell $50,000 in bonds for paving and street improvements.

MARINETTE, WIS.—Bids are asked until July 11 for about 19,500 sq. yds. of brick and 2,900 sq. yds. of macadam paving, as stated in our advertising columns. A. L. Hillis, Cy. Engr.; J. W. Follett, Cy. Clk.

ALBIA, IA.—Bids are asked until June 25 for laying about 8,631 sq. yds. of brick paving and 2,517 ft. of stone curb around the Public Square. T. J. Baird, Cy. Clk.

CEDAR RAPIDS, IA.—The council is said to have ordered about four miles of gravel and macadam paving to be done this season.

FORT DODGE, IA.—We are informed that bids will be received about July 10 for laying 2,756 sq. yds. of brick pavement, to cost $4,260. C. H. Reynolds, Cy. Engr.

ST. PAUL, MINN.—Bids are asked until June 25 for laying about 5,660 sq. yds. of asphalt in Arundel St., 8,750 sq. yds. of brick in Nelson Ave., 1,000 sq. yds. of brick in the alley in Summit Court and 5,262 ft. of sandstone curb in Carroll St. Wm. L. Ames, Pres. Bd. Pub. Wks.; C. H. Bronson, Clk.

SPOKANE, WASH.—The Alcatraz Asphalt Co., San Francisco, Cal., has been awarded the contract for paving Post St. with asphalt, at $31,772, and $2,750 for 10 years' maintenance, and for asphalting Sprague St., at $46,434, and $3,478 for 10 years' maintenance.

MANUFACTURING PLANTS.

BRUSHTON, N. Y.—The chair factory and saw mills of J. S. Hill were recently destroyed by fire; loss, about $40,000.

BUFFALO, N. Y.—The state land board has granted the Lackawanna Iron & Steel Co. 310 acres of land under water near Stony Point. The company will at once erect a large plant; the entire capital of $25,000,000 having been subscribed.

NEW YORK, N. Y.—The plant of the Hygienic Ice Co., at 21st St., Coney Island, was recently destroyed by fire; loss, about $100,000.——Fire destroyed the saw mill owned by John T. Muller at 511 to 519 West 30th St.; loss, about $25,000.

BLAIRSVILLE, PA.—The Thomas Furnace Co., Niles, O., will erect 250 coke ovens near here, to cost about $200,000, according to reports.

TEMPLETON, PA.—The American Window Glass Co. will erect about a mile of factories near here.

RICHMOND, VA.—Reports state that the Virginia & North Carolina Wheel Co. will rebuild its plant, which was recently destroyed by fire.

KEARNEYVILLE, W. VA.—The plant of the Standard Lime & Stone Co. was recently destroyed by fire; loss, about $50,000. It will be rebuilt at once, according to reports.

SALISBURY, N. C.—It is stated that the Kesler Cotton Mills will soon double the capacity of its plant.

CATEECHEE, S. C.—Bids are asked until July 15 for erecting an extension to the textile building. D. K. Norris, Chn. Executive Com.

ENSLEY, ALA.—Reports state that the Tennessee Coal & Iron R. R. Co. will erect a steel rail mill here, to cost about $1,000,000. E. Ramsey, Ch. Engr., Birmingham.

JACKSONVILLE, ALA.—Geo. P. Ide will, it is said, erect a cotton factory here, to cost about $150,000.

MARIETTA, O.—J. C. Goal, Pres., Corn Planter Co., Warren, Pa., is said to be interested in the proposed new refinery to be erected here, to cost about $300,000.

BELLEVILLE, ILL.—Reports state that the F. W. Wolf Co., 139 Rees St., Chicago, is preparing plans for a 4-story brick vinegar factory, 107x150 ft., in this city, to cost about $60,000.

HAMBURG, ARK.—W. A. Gulledge writes us that the Hamburg Cotton Factory Association has raised $50,000, and would like to correspond with experienced parties who can raise the amount to $100,000. The company has a good location with water power.

CORSICANA, TEX.—It is stated that the Navarro Cotton Oil Co. will increase its capital from $50,000 to $75,000, and erect a larger plant. Capt. Chas. H. Allyn, Pres.

LACHUTE, QUE.—J. C. Wilson & Co. will, it is said, erect a pulp mill here, to cost about $75,000.

MISCELLANEOUS CONTRACTS.

GRADING.—Youngstown, O.—Bids are asked by the county clerk, until July 4 for grading at the Children's Home.

FIRE ENGINE.—Red Lion, Pa.—The council has decided to purchase a steam fire engine, according to reports.

STULLS.—Jerome, Ariz.—Bids are asked by the United Verdi Copper Co. until July 1 for furnishing about 50,000 stulls.

CULVERT.—East Liverpool, O.—Bids are asked until June 26 by the city clerk for constructing a culvert over Carpenter's Run.

SEA WALL.—Benicia, Cal.—A. J. Smith is said to have received the contract for constructing about 700 ft. of sea wall at Glen Cove.

DIKE.—Mt. Vernon, O.—Bids are asked until June 25 for constructing a dike for protection against floods. W. A. Hosack, Cy.Clk.

FIELD RANGES.—Jeffersonville, Ind.—Bids are asked until June 26 for furnishing 1,000 field ranges. C. R. Barnett, Deputy Q.-M.-Gen.

FIRE APPARATUS.—Battle Creek, Mich.—Reports state that the council has decided to purchase a hook and ladder with extension ladders.

FIRE APPARATUS.—Flint, Mich.—The council has authorized the fire commissioners to purchase a new hook and ladder truck. J. C. Decker, Chief.

PARK WORK.—New York, N. Y.—Bids are asked until June 28 by the department of parks, Arsenal, Central Park, for constructing various improvements, etc., in several parks.

REMOVING LEDGES.—Boston, Mass.—Bids are asked until July 16 for removing ledges from Boston Harbor, as stated in our advertising columns. Col. Chas. R. Suter, U. S. Engrs.

LIGHT VESSEL.—Astoria, Ore.—Bids are asked until July 6 for constructing the steel, steam light-house tender "Heather." Rear-Admiral F. J. Higginson, U. S. N., Chn. Light House Bd.

MORTAR CARRIAGES.—Washington, D. C.—Bids are asked until July 2 for furnishing about 28 spring return carriages for 12-in. B. L. rifled mortars. Gen. A. R. Buffington, Ch. of Ordnance.

ORDNANCE SUPPLIES.—Watervliet, N. Y.—Bids are asked until July 21 for furnishing a quantity of iron, steel, hardware, lumber, etc., at the Watervliet Arsenal. Col. J. P. Farley, Commanding.

ORDNANCE SUPPLIES.—Benicia, Cal.—Bids are asked until July 23 for furnishing a quantity of iron, hardware, plumbers' supplies, etc., at the Benicia Arsenal. Col. A. Mordecai, Commanding.

PIER SUPERSTRUCTURE.—Buffalo, N. Y.—Bids are asked until July 10 for constructing a concrete superstructure on the south pier, as stated in our advertising columns. Maj. T. W. Symons, U. S. Engr.

LOCK AND DAM.—Ottawa, Ont.—Bids are asked until July 16 for constructing a concrete dam across St. Andrew's Rapids, Red River Province, Manitoba. Jos. R. Roy, Acting Secy., Dept. Pub Wks.

EXCAVATING.—Cincinnati, O.—Bids are asked until July 19 for excavating the channel through Rock Bar at the mouth of the Licking River, as stated in our advertising columns. Maj. Wm. H. Bixby, U. S. Engr., Custom House.

LIGHT-HOUSE.—Rhode Island.—Bids are asked until July 7 for erecting the Hog Island Shoal Light-house, R. I., as stated in our advertising columns. Lieut.-Col. D. P. Heap, U. S. Engrs., Light-house Engr., Tompkinsville, N. Y.

DRAINAGE DITCH.—Princeton, Ill.—Bids are asked until July 2 for 22.3 miles of drainage ditches, 897,826 cu. yds. of excavation, and 13,750 ft. of tile drain in the Mineral Marsh Special Drainage District, as stated in our advertising columns. Wm. Wilson, County Clk.

BUILDING LOCK.—Cincinnati, O.—The following bids were received June 9 by Capt. H. F. Hodges, U. S. Engr., for building lock No. 1 in the Big Sandy River. Contract not yet let: I. V. Hoag, Jr., Allegheny, Pa., $216,520; The Evansville Contract Co., Evansville, Ind., $143,286; Robert A. Cummings, Owensboro, Ky., $180,297; Frank H. Kirchner, Cincinnati, O., $171,100; J. C. Thomas, Louisa, Ky., $122,675, and $116,455; Thos. A. Sheridan, Little Hickman, Ky., $148,695, and $145,305; Edward J. Hingston, Buffalo, N. Y., $129,031.

FOREIGN CONTRACTS AND EXPORT NEWS.

MEXICO.—Reports state that Mme. L. J. Valasquez Beard, of Phoenix, Ariz., has secured a concession to construct and operate a railway from Benderez Bay, on the Pacific Coast of Mexico, to be about 1,000 miles long.

BRITISH HONDURAS.—C. O. Hunter, an English promoter, is reported to have secured a franchise to build a railway from Belize to Peten, Guatemala. The road will be about 70 miles long and will be used mainly for hauling logwood. W. M. C. Bowen, of British Honduras, recently registered at the Denechaud Hotel, New Orleans, La., is said to be interested.

GENEVA, SWITZERLAND.—The Westinghouse Electric & Mfg. Co., Pittsburg, Pa., is reported to have been awarded the contract by the Compagnie Genevoisedes Tramways Electriques for equipping the electric road here.

HONDURAS.—Reports state as follows: The Astor Syndicate has secured from the government concessions for building an isthmian railway across the Republic of Honduras, from Puerto Cortez on the Atlantic, to Amapala on the Pacific, 200 miles. The Astor Syndicate is really the Honduras Syndicate, and is composed of New York capitalists. Among the backers are John Jacob Astor, Senator Chauncey M. Depew, Thomas Scott, Minor C. Keith and Jas. E. Bleekman, Mgr.-Dir., of New York, and Col. Duncan B. Cooper, of Nashville, Tenn. Work will begin on the line at once, and by the terms of the concession it must be completed in four years. By the grant the syndicate can issue and float bonds to the amount of about $20,000 in gold to every mile of road. With New Orleans for the port of shipping the scheme is for the Illinois Central to drain the Mississippi Valley for the Central American trade in conjunction with the United Fruit Co. It is said that Minor C. Keith, a leading spirit in the Fruit Trust, will be General Manager of the Honduras Inter-Oceanic R. R.

SIBERIA, RUSSIA.—Reports state that Henry De Windt, a French traveler, has been engaged by a syndicate to ascertain the feasibility of extending the Siberian Railway north to the Behring Straits, bridging the straits by the way of the Diomed Islands, and then, on the American side joining the road now under construction.

BEIRA, MOZAMBIQUE.—Bids are wanted at once by the Compagnie de Mozambique, 13 Austin Friars, E. C., London, for constructing defence works at Beira, and for improving the harbor.

ASIA-MINOR.—The "Levant Herald" states that an imperial iradé has been issued sanctioning the convention between the Ministry of Public Works of Constantinople, and the Société des Chemins de Fer Economiques en Syrie for the construction of the Rayak-Homs-Hama Ry. (Rayak is halfway between Beirût and Damascus.) The line will be 192 kilometers long, on which the government guarantees 15,000 francs of receipts per kilometer and per annum. The company has a right of priority over all extensions from its main line to the coast.

LONDON, ENG.—Bids are asked until July 10 for furnishing about 70 arc-lamp standards required in connection with the electric installation for the Victoria Embankment. Deposit for forms of tender, $5. C. J. Stewart, Clk. of the Council, Spring Gardens, S. W., London.

CARDIFF, WALES.—Plans are wanted by the corporation until Aug. 25 for the proposed new asylum at Whitchurd to house 1,250 patients. Address the Borough Engineer, Town Hall, Cardiff.

HAVANA, CUBA.—Reports state as follows: A request has been made to the municipality to grant a concession for the removal of houses between Obispo and O'Reilly Sts., the two main streets running parallel with each other. The concession is asked for by a representative of foreign capital to the amount of $12,000,000, and is wanted to complete a scheme which consists in building a series of new structures and also widening the two mentioned streets, which are very narrow.

CONTRACT PRICES.

WATER-WORKS SUPPLIES.—New York, N. Y.—The following bids were received at the department of water supply, June 15, 1900, for water-works supplies:

Quantities.		John Fox Co., 253 Broadway.	S. N. Leary, New York.
20-in. stop cocks	5 each...	$175.00	$137.15
12-in. "	10 " ...	22.75	24.00
6-in. "	100 " ...	10.75	11.25
4-in. "	20 " ...	7.20	8.29
Hydrants: "A."	100 " ...	12.30	12.58
Wooden nose	800 " ...	1.95	2.00
No. 1.	100 " ...	10.65	11.00
Wooden nose	600 " ...	1.95	2.00
No. 2.	50 " ...	10.35	11.00
Cast-iron stop cocks:			
No. 1., B. T.	100 " ...	13.25	14.64
No. 2. "	200 " ...	10.50	11.46
No. 3., "	100 " ...	8.95	9.80
Total		$12,184	$12,660

WATER DEPARTMENT SUPPLIES.—Camden, N. J.—The water committee received the following bids June 12, 1900, for furnishing the department with supplies for the year: Pittsburg Oil Refining Co., cylinder oil, per gallon, 48 cts.; Maltese machine oil, 22 cts.; illuminating, 10 cts.; I. X. L. machine oil, 36 cts.; 600 illuminating oil, 29 cts.; 85 cts. for empty barrels. Leonard L. Ellis, cylinder oil, 75 cts.; machine, 50 cts.; illuminating oil, 85 cts. Chas. F. Callum, cylinder oil, 29 cts.; machine oil, 15½ cts.; illuminating, 10½ cts.; empty barrels, $1 for refined oil, 85 cts. for lubricating oil. Warren Schreisiner & Co., cylinder, 29 cts.; machine, 15½ cts.; illuminating, 10¼ cts.; empty barrels, 75 cts. and 85 cts. Nathan Potter & Co., 20,000 lbs. of lead, 4.22½ cts. a lb. A. J. Fullmer & Co., lead-lined iron pipe, ¾-in., 20.55 cts. per ft.; 1-in., 22.47 cts.; 1¼-in., 28.40 cts.; 1½-in., 35.48 cts.; corporation stops ½ in., $5.60 per dozen; ⅝ in., $6.75 per dozen; ¾ in., $10.25 per dozen; 1 in., $15; stay cocks, ¾ in., 65 cts. each; 1 in., $1.15; 1¼ in., $1.60; 1½ in., $2.25; 2 in., $4.00; sluice boxes, three to four feet extension, 65 cts. each; pig lead, 4.36 cts. a lb. M. J. Frand, 20,000 lbs. of lead, 4.25 cts. a lb. of 100 lb. lots; corporation stops, ½ in., $7 dozen; ⅝ in., $8.20 dozen; ¾ in., $12.20 dozen; 1 in., $17; 1¼ in., $33.20; 1½ in., $43; 2 in., $66. H. Mueller Mfg. Co., corporation stops, ½ in., $5.11 per dozen; ⅝ in., $6.43; ¾ in., $9.45; 1 in., $14.56; curb cocks, ½ in., $6; ⅝ in., $7.35; ¾ in., $8.86; 1 in., $15.12; Buffalo stop boxes, No. 4, 64 cts., from 8 in. to 4 ft.; 3 ft. 2 in. to 4 ft. 6 in., 66⅔ cts.; 3 ft. 8 in. to 5 ft., 72 cts.; lead flange corporation stops, ½ in., $7.20 per dozen; ⅝ in., $8.80 per dozen; ¾ in., $12.48; 1 in., $18.40; ½ in. lead flange couplings, $3.60 per dozen; ⅝, $4.48; ¾, $5.60; 1 in., $6.72. Lead Lined Pipe Co., ¾ in., 13¼ cts. per ft.; 1 in., 23 cts.; 1¼ in., 32 cts.; 1½ in., 37 cts.; 2 in., 48 cts.; fittings, ¾ in., T's, 22½ cts.; 1 in., 34 cts.; 1¼ in., 50 cts.; 1½ in., 60 cts.; 2 in., 80 cts.; elbows, ¾ in., 19 cts.; 1 in., 25 cts.; 1¼, 44 cts.; 1½ in., 55 cts.; 2 in., 70 cts.; couplings, ¾ in., 16 cts. each; 1 in., 19 cts.; 1¼ in., 26 cts.; 1½ in., 34 cts.; 2 in., 54 cts.; unions, ¾ in., 29 cts.; 1 in., 36 cts.; 1¼ in., 54 cts.; 1½ in., 75 cts.; 2 in., 95 cts. Jas. Tracy, for carting, 80 cts. per ton of 2,240 lbs. B. F. Sweeten & Son, per ton of 2,240 lbs., 85 cts. Wm. Baxter, oils, cylinder, 50 cts. a gallon; machine, 28 cts.; illuminating oil, 10¾ cts. John Hopkins, cylinder oil, 46 cts. a gallon, machine, 21½ cts.; illuminating, 9¾ cts. Wm. F. Moody & Son, coal, 5,000 tons, $2.98 per ton. Sweeten & Son, coal, $2.89 per ton. Wilson, Harbison & Co., coal, $2.65 per ton to Morris Station; $2.55 to Pavonia. W. J. Engineering & Supply Co., for hauling, 78 cts. per ton. A. J. Fullmer & Co., valves, 4 in., $6.20 each; 6 in., $10.60 each; 8 in., $16.60; 10 in., $23.65; 12 in., $30; 14 in., $50; 16 in., $60; geared, $70; 18 in., $78; geared, $90; 20 in., $102; geared, $112.50; 24 in., $144; geared, $137.50; 30 in., $285; geared, $307.50; By-passes, 24 in., $20 extra; 30 in., $25 extra; hydrants, 3½ ft. bury, $31; 4 ft. bury, $31.90; 4½ ft. bury, $32.75; 5 ft. bury, $33.60; valve boxes, $3 each. U. S. Cast Iron Pipe & Foundry Co., lead lined iron pipe, 4 in., $28; 6 and 8 in., $27; 10, 12, 16 and 20 in., $26; bell castings, 2 3-10 cts. a lb. Renssaeller Mfg. Co., valves, 4 in., $6.25 each; 6 in., $10; 8 in., $15; 10 in., $22; 14 in., $42; 16 in., $54; 20 in., $92.50; 24 in., $145; 30 in., $260; valve boxes, $2.65 each; 4 in., $7; 6 in., $11.50; 8 in., $16.75; 10 in., $24; 14 in., $46; 16 in., $65; 20 in., $100; 24 in., $150; 30 in., $275; spur gearing, $8; bevel gearing, $10; indicator, $7. Standard Water Meter Co., bronze dics, ⅝ in., $7.50; ¾ in., $11.25; 1 in., $15; couplings, 40, 60 and 80 cts.; current meters, 1½ in., $30; 2 in., $45; 3 in., $80; 3 in., with fish trap, $10 additional; 4 in., $125; with fish trap, $15; 6 in., $250; with fish trap, $20; 8 in., $450; fish trap, $50 extra; 10 in., $700; with fish trap, $100 extra. Thomson Meter Co., ⅝ in., $8.80; ¾ in., $13.20; 1 in., $17.60; 1½ in., $33;

2 in., $55; 3 in., $93.50; 4 in., $200; 6 in., $400; couplings, ⅝ in., 48 cts. per set; ¾ in., 66 cts.; 1 in., 88 cts. Henry R. Worthington, meter, ⅝ in., $19; ¾ in., $28; 1 in., $39; 1½ in., $45; 2 in., $55; 3 in., $150; 4 in., $375; 6 in., $900. National Meter Co., ⅝ in., $12; ¾ in., $21; 1 in., $30; 1½ in., $50; 2 in., $65; 3 in., $135; 4 in., $250; 6 in., $500; Crown A. A. Empire meter, ⅝ in., $10; ¾ in., $15; 1 in., $20; 1½ in., $40; 2 in., $60; 3 in., $100; 4 in., $225; 6 in., $400; Nash meter, ⅝ in., $9; ¾ in., $13.50; 1 in., $18; 1½ in., $35; 2 in., $55; 3 in., $95; 4 in., $200; 6 in., $400; couplings, ⅝ in., per set, 55 cts.; ¾ in., 75 cts.; 1 in., $1; A. A. Gem meter, 2 in., 45 cts.; 3 in., $90; 4 in., $175; 6 in., $400; 8 in., $700; 10 in., $900. Union Meter Co., ⅝ in., $12; ¾ in., $18; 1 in., $24.50; 1½ in., $39; 2 in., $58; 3 in., $95; 4 in., $190; 6 in., $450; 8 in., $688.50 10 in., $880; 12 in., $1,100; rotary union, ⅝ in., $7.50; ¾ in., $11. Kersey Mfg. Co., Kersey disc, ⅝ in., $9; ¾ in., $13.50; 1 in., $18; 1½ in., $35; 2 in., $55; 3 in., $95; 4 in., $200; 6 in., $400; rotary, ⅝ in., $2; ¾ in., $19; 1 in., $26; 1½ in., $45; 2 in., $65; 3 in., $125; 4 in., $250; 6 in., $500; terrent meter, 2 in., $45; 3 in., $90; 4 in., $175; 6 in., $400; 8 in., $700; 10 in., $900; 12 in., $1,200; connections, ⅝ in., 50 cts. per set; ¾ in., 75 cts.; 1 in., $1. Neptune Meter Co., ⅝ in., $9; ¾ in., $13.50; 1 in., $18; 1½ in., $35; 2 in., $55; 3 in., $95; 4 in., $200; 6 in., $400; couplings, ⅝ in., 50 cts.; ¾ in., 75 cts.; 1 in., $1.

TRANSIT TUNNEL.—Boston, Mass.—The following bids were received by B. Leighton Beal, Secy. Boston Transit Com., 20 Beacon St., on June 14, for building Section B of the East Boston Tunnel, as advertised in Engineering News; contract awarded Shailer & Schuiglau Co., 611 Western Union Bldg., Chicago:

Bids Received at Boston, Mass., June 14, 1900, for Building Section B of the East Boston Tunnel.

Quantities.	United Eng'ring & Cont. Co., New York	National Cont. Co., New York	Jones & Meehan, Boston, Mass.	W. J. Gawne & Co., Cleveland, O.	Shailer & Schuiglau Co., Chicago, Ill.
Earth excavation (bet Sta. 8—19 & 43—50) .79,000 cu. yds.	$11.00	$12.00	$12.00	$5.75	$5.25
(Station 43—50 to west end section) ....23,000 " "	8.00	8.00	10.00	6.50	5.00
Iron and steel, in place and secured..... 1,000 tons....	20.00	30.00	20.00	20.00	15.00
" " tie rods, placed and secure. 100 "	30.00	50.00	25.00	40.00	15.00
" " segmental cstgs, placed, etc. 250 "	20.00	50.00	30.00	30.00	20.00
Concrete masonry, Portland cement mortar* 29,000 cu. yds.	24.00	17.00	15.00	11.40	10.00
Concrete masonry, Portland cement mortar† 9,000 " "	17.50	13.00	15.00	12.75	10.00
Coating with hydraulic cement mortar....34,000 sq. "	.75	.75	.60	.35	.30
Spruce piles ..... 2,000 lin. ft..	.40	.50	1.00	.40	1.00
Waterproof coating. .....12,000 sq. yds.	.75	1.00	1.00	.40	.40
Tarrel felt, pitch, etc..... 5,700 " "	.50	.50	1.00	.25	.20
Total	$1,972,650	$1,830,850	$1,818,100	$1,099,525	$949,390
Days to complete from July 1, 1900.....	974	716	458	1,096	1,089

*Bet. Sta. 8—19 and 43—50. †Sta. 43—50 to westerly end of Section.

PAVING BRICK.—Galveston, Tex.—The following bids were received by Geo. Q. McCracken, Secy. Bd. Pub. Wks., June 9, 1900, for furnishing between 500,000 and 600,000 paving brick; price per M.: Green & Hunter Brick Co., Fort Worth, Tex., $17.75 (accepted); Wm. Wirt Clark & Sons, Baltimore, Md., $34; W. H. Pollar Co., Galveston, Tex., $13.75 (Garrison brick).

PAVING.—Champaign, Ill.—The board of local improvements received the following bids June 9, 1900, for paving West Illinois St.: (1) broken stone and concrete, (2) gravel and concrete, (3) curb and gutter: A. Barr, (1) $1.35 a sq. yd., (2) $1.15 a sq.yd., (3) 56 cts. a sq. yd.; J. W. Stipes, (1) $1.34, (2) $1.22, (3) 56 cts.; Jobst & Son, (1) $1.39, (2) $1.25, (3) 57 cts.

ASPHALT PAVING.—New York, N. Y.—The following bids were received by Jas. P. Keating, Comr. of Highways, June 15, 1900, for asphalt paving in a number of streets: Broadway, from 14th St. to 424 St., including Union Square, 66,670 sq. yds., on granite block foundation, guarantee 15 years, Atlantic Alcatraz Paving Co., $5.38 a yd.; Barber Asphalt Paving Co., $5.61; Sicilian Asphalt Paving Co., $5.77; Warren-Scharf Asphalt Paving Co., $6; National Asphalt Paving Co., $4.79. Repaving in 125th St., from 3d to 8th Aves., 10-year guarantee, Atlantic company, $3.55; Asphalt Construction Co., $3.37; total, $99,438; Barber company, $3.49; Sicilian company, $4.07; National company, $4.30. There are eleven streets in Brooklyn to be repaved with asphalt, and also parts of the following streets in Manhattan Borough: 8th, 12th, 13th, 25th, 27th, 28th, 33d, 45th,

ROAD BUILDING.—Boston, Mass.—The following bids were received by the Metropolitan Water-Works Board June 7, for constructing roads; contracts awarded—Sec. 1, T. Stuart & Son; Secs. 2 and 3, Fred. E. Ellis:

Bids Received at Boston, Mass., June 7, 1900, for Constructing Three Sections of a Road.

Section 1.

Quantities.		T. Stuart & Son, Newton.	Fred. E. Ellis, Melrose.	A. J. Wellington, Boston.	Thos. H. Gill, Somerville.	Bruno & Salomone, E. Boston.
Earth excavation	5,000 cu. yds.	$0.27	$0.30	$0.30	$0.55	$0.28
Rock excavation	100 " "	1.50	2.00	3.00	2.00	1.60
Laying 5-in. sewer pipe for side drains...	1,000 lin. ft..	.15	.30	.50	.25	.35
Shaping surface of roadbed.....	7,700 " "	.05	.07	.10	.05	.065
Broken stone in place	5,300 tons....	2.30	2.20	2.20	2.25	2.75
Overhaul, equivalent to 20,000 cu.yds. hauled 100 ft.....		.01	.02	.01	.01	.015
Total		$14,225	$14,599	$14,930	$15,710	$17,285

Section 2.

Bidder.	Excavation, 1,100 cu.yds.	Shaping roadbed, 6,700 lin. ft.	Broken stone placed, 4,600 tons.	Total.
Fred. E. Ellis..	$0.30	$0.07	$2.40	$11,839
T. Stuart & Son.	.25	.05	2.45	11,880
A. J. Wellington.....	.50	.15	2.35	12,365
Bruno & Salomone....	.35	.07	3.05	14,884

Section 3.

Quantities.	Fred. E. Ellis.	A. J. Wellington.
Earth excavation ....1,000 cu. yds.	$0.30	$0.50
Shaping surf. roadbed.5,800 inl. ft..	.07	.15
Broken stone in place.4,000 tons....	2.40	2.50
Total	$10,306	$11,370

PILE PIER.—Yonkers, N. Y.—The following are the bids received by J. Pagan, Jr., Cy. Clk., June 11, for constructing a pile pier near the south end of the public dock, and for altering and extending the Main St. sewer outlet; (1) dredging 9,000 cu. yds., (2) 273,000 cu. ft. of crib work, (3) other work in connection with crib work, (4) pile pier, (5) sewer work; Rosevelt & Co., 16 Beacon St., N. Y., (1) 24 cts. a cu. yd., (2) 5 cts. a lin. ft., (3) $600, (4) $13,137, (5) $2,407; total, $31,954; to be completed in 110 days (accepted); Frank Pidgeon, 315 Madison Ave., New York, (1) 27 cts. a cu. yd., (2) 5¼ cts. a lin. ft., (3) $550, (4) $15,989, (5) $2,950; total, $36,593; 90 days; Thos. O'Hern, Yonkers, N. Y., (1) 18 cts. a cu. yd., (2) 4 9-10 cts. a lin. ft., (3) $928, (4) $16,900, (5) $3,950; total, $36,775; 60 days; H. L. Spearin, 11 Broadway, New York, (1) 28½ cts. a cu. yd., (2) 6 15-100 cts. a lin. ft., (3) $610, (4) $18,012, (5) $550; total, $38,526; 100 days; R. B. & J. H. Staats, 29 Broadway, New York, (1) 23 cts. a cu. yd., (2) 6 83-100 cts. a lin. ft., (3) $1,200, (4) $16,500, (5) $3,675; total, $42,091; 140 days; W. H. Jenks, 130 Pearl St., New York, (1) 13 9-10 cts. a cu. yd., (2) 7½ cts. a lin. ft., (3) $500, (4) $21,600, (5) $1,000; total, $44,371; 120 days; Bernard Rolf, (1) 28½ cts. a cu. yd., (2) 6 cts. a lin. ft., (3) $2,000, (4) $20,488, (5) $4,400; total, $45,833; 150 days.

DREDGING.—Norfolk, Va.—Major James B. Quinn, U. S. Engrs., received the following bids June 11, 1900, for dredging the waterway from Norfolk to Albemarle Sound, N. C.; Norfolk Dredging Co., Norfolk, Va., 78 cts. a cu. yd.; John L. Mills, Camden, N. J.; 70 cts. a cu. yd.

PIG LEAD.—Minneapolis, Minn.—The committee on water-works has awarded the contract for 40,000 lbs. of pig lead to D. M. Gilmore & Co., Minneapolis, at $3.919 a 100 lbs. The bidders were the Semple Co., $3.94; Great Western Smelting Co., $4.14; St. Paul Shot & Lead Co., $3.96; Plumbing & Fitting Co., $4.

PAVING.—Newark, N. J.—The freeholders' committee on roads and assessments awarded the following contracts on June 11, 1900, for paving certain streets and roads: Wright & Lindsley, $1.44 and $1.75 a 1,000 cu. ft. (two contracts); Spottiswood & Son, $1.30; Francisco Bros., $1.54; Frank J. Marley, $1.44 (two contracts); James Serne, $1.47; R. Daniel & Son, $1.58.

BRICK PAVING.—Bridgeport, Conn.—The following bids were received June 14, 1900, for about 19,000 yds. of brick paving; Albert E. Lavery, Cy. Clk.: Rice & Turner, Mt. Vernon, Conn., $2.19 a sq. yd., Catskill block (shale); Eastern Paving Brick Co., 1312 Empire Bldg., New York, $2.40, Catskill brick (shale); Tillman & Godfrey, Bridgeport, $2.24, Catskill brick (shale); Frank Pidgeon, Saugerties, N. Y., $2.33, Johnsonburg brick (shale); Donling & Bottomly, Bridgeport, $2.64, Johnsonburg brick (shale).

ASPHALT PAVING.—Baltimore, Md.—The following bids were received by the board of awards June 11, 1900, for paving St. Paul St. from 25th to 30th St.: T. S. Filbert & Sons, $2.18 a s-q. yd; total, $27,658; Southern Asphalt Paving Co., $2.23; Barber Asphalt Paving Co., $2.27; W. S. P. Shield, $2.33.

ROAD ROLLERS.—New York, N. Y.—The board of park commissioners received the following bids recently for furnishing a 12-ton steam road roller: Harrisburg Foundry & Machine Co., Harrisburg, Pa., $2,950; Wm. C. Oastler, 43 Exchange Place, New York, $2,825 (accepted); Russell & Co., Massillon, O., $2,600; O. S. Kelly Co., Springfield, O., $2,500; Buffalo Pitts Co., Buffalo, N. Y., $2,315.

INDUSTRIAL NOTES.

THE A. B. SEE MFG. Co. has removed its offices from the works in Brooklyn to the St. Paul Bldg., 220 Broadway, New York.

THE NATIONAL METER CO., New York, has a direct-connected lighting plant of 200 lights capacity in operation at its stores, 84 Chambers St., showing the operation of the Nash gas and gasoline engine.

THE JOHN H. McGOWAN CO., Cincinnati, reports orders on hand which will require more than two months to fill. Considerable new machinery has recently been added to its plant, including a 16-ft. planer.

THE LINK BELT ENGINEERING CO., Nicetown, Philadelphia, has twice been compelled to increase the capacity of its plant during the past few months, and is at present building a large extension to the work rooms, and also the drafting department. New machinery has been installed to facilitate the more rapid filling of orders, and a number of additional workmen employed.

THE J. S. ALEXANDER MFG. CO., Grand Rapids, Mich., has recently received an order for 12 of its drawing tables for the Brown Hoisting & Conveying Co. This makes 37 tables furnished to that company during the past year, and two of these were shipped to the Brown Co.'s London office. There are also recent orders for four tables for the Gas Construction Co., of Fort Wayne, Ind.; and three for the Westinghouse Electric & Mfg. Co.

ROBERT W. HUNT & CO., The Rookery, Chicago, announce that for the past 12 years their firm and Hallsted & McNaugher, and the latter's predecessors, G. W. G. Ferris & Co., have been associated as Consulting Engineers, Inspectors of Rails, Structural and Bridge Materials, Locomotives, Cars, Machinery, etc., each conducting its own business under their respective firm names. That the interests of their clients may be more fully protected, it has been decided to merge the two firms into one organization, to be known as Robert W. Hunt & Co., the partners being Robert W. Hunt, John J. Cone, A. W. Fiero, James C. Hallsted and D. McNaugher. The offices will remain at 1121 The Rookery, Chicago; Monongahela Bank Building, Pittsburg, Pa., and 71 Broadway, New York.

THE VARLEY DUPLEX MAGNET CO., 137 Seventh St., Jersey City, N. J., has been succeeded by a new company with the same name and offices, incorporated with a capital stock of $3,000,000. The new company will manufacture electro magnets both of the ordinary style and duplex or bare wire windings. It will draw its own wire, and the plant in Jersey City will be increased to about ten times the present capacity. We are informed that the company will operate a number of factories that will be engaged in the manufacture of magnets, including seven foreign factories, and all of the manufacturing facilities, such as automatic magnet winding machinery, wire drawing machinery, wire covering machinery, etc., will be designed and constructed at the works in Jersey City. Pres., Richard Varley; Vice-Pres., John Scott; Treas., Robert D. Millar; Secy., Wm. J. Varley.

NEW COMPANIES.—Fairmount Brick & Tile Co., Mankato, Minn.; $10,000; O. Bierbauer, J. S. Shingle, O. Bierbauer.

United Power Vehicle Co., New York.; electric, gasoline and steam vehicles; $1,000,000; J. McNab, J. Hood, G. Hollinshed, G. G. Willis, C. Blakie, Brooklyn.

Crescent Machine Co., New York, N. Y.; $1,000,000; G. B. Hopkins, Wm. B. Dixon, Henry W. Aylward, John J. Aylward.

Keystone Mfg. Co., Buffalo, N. Y.; manufacture machinery; $35,000; Gustavus A. Haist, Charles Haist.

Crane & Clark, New York, N. Y.; building materials; $50,000; Thomas Roe, Ingleside, New Canaan, Conn., C. Hersey, Yonkers.

Smith, Whitcomb & Cook Co., Barre, Vt.; manufacturing machinery and tools; $35,000; W. A. Whitcomb, F. F. Cave, F. J. Martin, P. S. Prior.

United States Paving Co., Corporation Trust Co. Bld., Jersey City; $2,000,000; John P. Mineay, Harmon S. Graves, Charles A. Corlon.

Morton Steamship Co., 55 Montgomery St., Jersey City; $300,000; Morton S. Paton, Charles D. Ross and George A. Viehmann.

Mexican Gas Construction Co., Wilmington, Del.; building and equipping refrigerating plants; $100,000; E. C. Jurgensen, New York; J. D. Smith, Caldwell, N. J., E. B. Wapies.

International Fire Proofing Co., New York; $500,000; Henry M. Brigham, Josiah H. Peck, Walter T. Lindsey, John E. McEwen.

B. & H. Electric Construction & Supply Co., Kittery, Me.; $30,000; L. M. Cook, L. H. Murphy, J. Murphy, A. Brownell, Providence, R. I.

Commercial Steamship Co., Providence, R. I.; building steamships; $200,000; E. S. Aldrich, F. M. Mathewson, J. P. Farnsworth, Providence; F. W. Tillinghast, Johnston.

Crescent Mfg. Co., Iowa City, Ia.; manufacture wire, etc.; $30,000; D. F. Sawyer, J. G. Lindsay, L. Curtis, R. P. Howell, E. B. Wilson.

Girard Boiler & Mfg. Co., Girard, O.; $50,000; F. H. Klepp, F. J. Havlak, A. Hoehl, A. B. Camp.

Electric Water Purification Co., Jersey City; $600,000; C. E. Holland, W. Kinsey, W. S. Sweeney.

Waste Heat Radiator Co., Saco, Me.; manufacture heating apparatus; $50,000; W. S. Dennett, F. W. Nutter, G. N. Deering, Saco; C. H. Crocker, Portland.

Gridley Mfg. Co., Portland, Me.; manufacturing steel tubes; $50,000; C. A. Gridley, Everett; W. H. C. Pillsbury, Somerville; A. Banks, Boston, Mass.; C. H. Tolman.

Biggs Boiler Works Co., Akron, O.; manufacturing steam boilers; $15,000; L. M. Biggs, B. R. Bardes, J. Seeger.

Boston Gas Motor & Automobile Co., Kittery, Me.; manufacture gas motors, etc.; $500,000; C. I. Clodman, Leominster, Mass.; W. H. Mitchell, Melrose, Mass.; F. E. Rowell.

Union Furnace Mfg. Co., Dover, Del.; manufacturing machinery, etc.; $50,000; C. E. Wolf, A. J. Anderson, Altoona, Pa.

Humeston Mfg. Co., Humeston, Del.; gas machines; $15,000; G. McCulloch, J. G. Smith, L. Williams.

Storey Motor & Machinery Co., Jersey City; electric and pneumatic machinery; $3,500,000; R. A. Jenks, J. H. Young, R. Neumann..

Ajax Portland Cement Co., Jersey City; $500,000; H. W. Meen, W. D. W. Baldwin, E. B. Hawkins.

Emerson Pump Co., Wilmington, Del.; $200,000; W. E. Harmon, Lexington, Mass.; E. B. Waples.

Dalton Excavator Co., Chicago, Ill.; excavating machinery; $250,000; R. Dalton, C. J. L. Kressman, J. Alexander.

Electro-Magnetic Brake Co., Union, N. J.; manufacture electric brake; $50,000; W. White, L. Fiehm, H. C. Steinhoff.

General Power Co., New York; stationary engines; $5,000,000; F. W. Speir, L. A. Ludwig, G. A. Bailey.

Seattle General Contract Co., Seattle, Wash.; railroad contracting; $50,000; J. Riplinger, J. P. Agnew, L. A. Griffith.

Meldrum Morse Destruction Co., New York; disposal of garbage; $250,000; G. E. Green, Binghamton; W. F. Morse, J. Stahl, Jr.

Brennan Construction Co., Washington, D. C.; general contractors; $500,000; Pres., T. R. Brown, New York; Engr. and Supt., W. B. Upton.

Brewer Dry Dock Co., 320 Marshall St., Elizabeth, N. J.; $30,000; Everard C. Brewer, George A. Benton.

American Power Brake Co., Memphis, Tenn.; $75,000; W. Goodman, T. I. Galbreath, E. L. Manager.

Mail Delivery Notice.

Complaints are frequently sent to us because subscribers do not receive their papers on time. The first pages of Engineering News go to press on Monday each week, the next 32 pages on Tuesday, and the remaining pages, including "Wants," "Proposals" and "For Sale" cards, early on Wednesday. All papers for Boston, Philadelphia, Washington and Greater New York should be received upon the **first delivery Thursday.** The last of the entire edition is in the New York post-office soon after 6 o'clock Thursday morning. If your paper is not received promptly we suggest that you make a complaint **in writing** to your local post-office officials. This will be investigated and the letter forwarded to the office where the delay occurs.

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